SAMSUNG

Digital Keyphone System

DCS COMPACT (EUROPE VERSION)

SERVICE Manual

DISPLAY DCS COMPACT

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Chapter 1

System Overview

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1-1 System Configuration

System Capacity

Circuit Type	Standard	Max	Available Slots
C.O. Line	4	16	3 4TRKs
E&M Tie Line	—	6	3 2E&M 4DLIs
Digital Keyphone	12	48	3 6DLIs
Standard Phone	4	22	3 6SLIs

Expansion Cards

MISC Card : Equipped with ports for PC programming and SMDR. Relay circuitry and MOH2 connection circuitry are included.
6DLI Card : Used to expand 6 keysets.
4TRK Card : Used to expand 4 C.O. lines.
2E&M 4DLI : Used to expand 2 E&M tie lines and 4 keysets.
6SLI Card : Used to expand 6 single line telephones.
VDIAL Card : Used to perform Voice Dial.
AA Card : Used to perform Automatic Attendant.

Station Equipment

DS-24E : Digital keyset equipped with LCD
DS-24B : Digital keyset without LCD
DS-12B : Basic digital keysets
DS-32B : Add On Module
DPIM : Door Phone Interface Module
SIM : Serial Interface Module
KDb-DLI : Installed in a digital keyset and provide 1 port to connect any digital keyset.
KDb-SLI : Installed in a digital keyset and provide 1 port to connect any single line telephone.

Precautions

- Install or remove the cards only when the power is OFF.
- Up to 3 expansion slots are available.
- RAM pack, 4COP, and 2SLIs should be installed into the dedicated place.
- Power supply and RAM pack must be installed.

1-2 Specifications

Electrical Specifications

AC Input	110/220V 240V
Power Consumption (Max.)	70 watts
DC Output	+5V (2.0A)
	–5V (0.5A)
	–56V (1.0A)

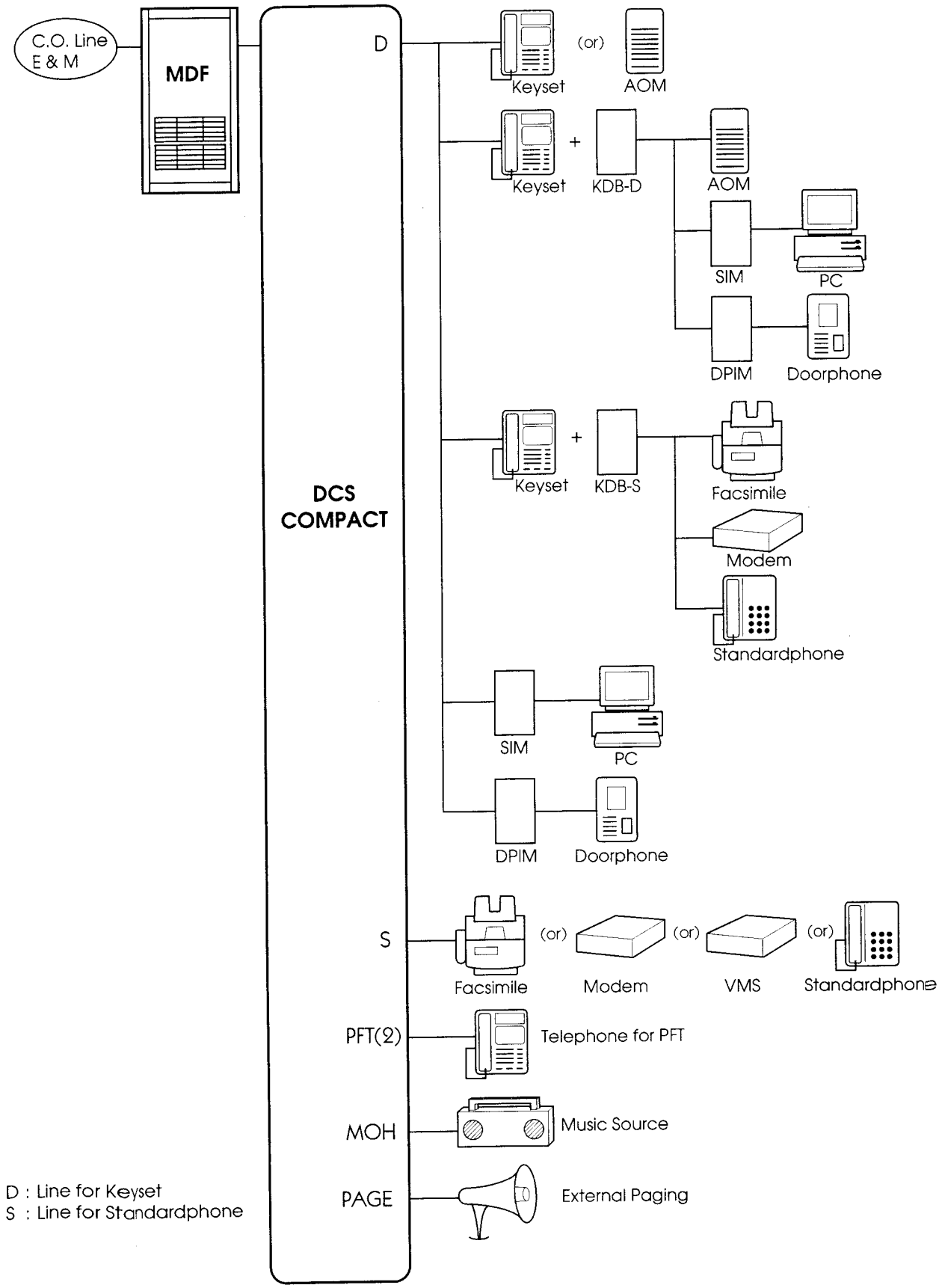
Dimension and Weights

	Height	Width	Depth	Weight
DCS Basic System	360 mm	572 mm	126 mm	5.2kg
DS-24E	225 mm	210 mm	110 mm	1.0kg
DS-32B	225 mm	107 mm	93 mm	0.6kg
DPIM	127 mm	97 mm	32 mm	0.2kg
SIM	127 mm	97 mm	32 mm	0.17kg

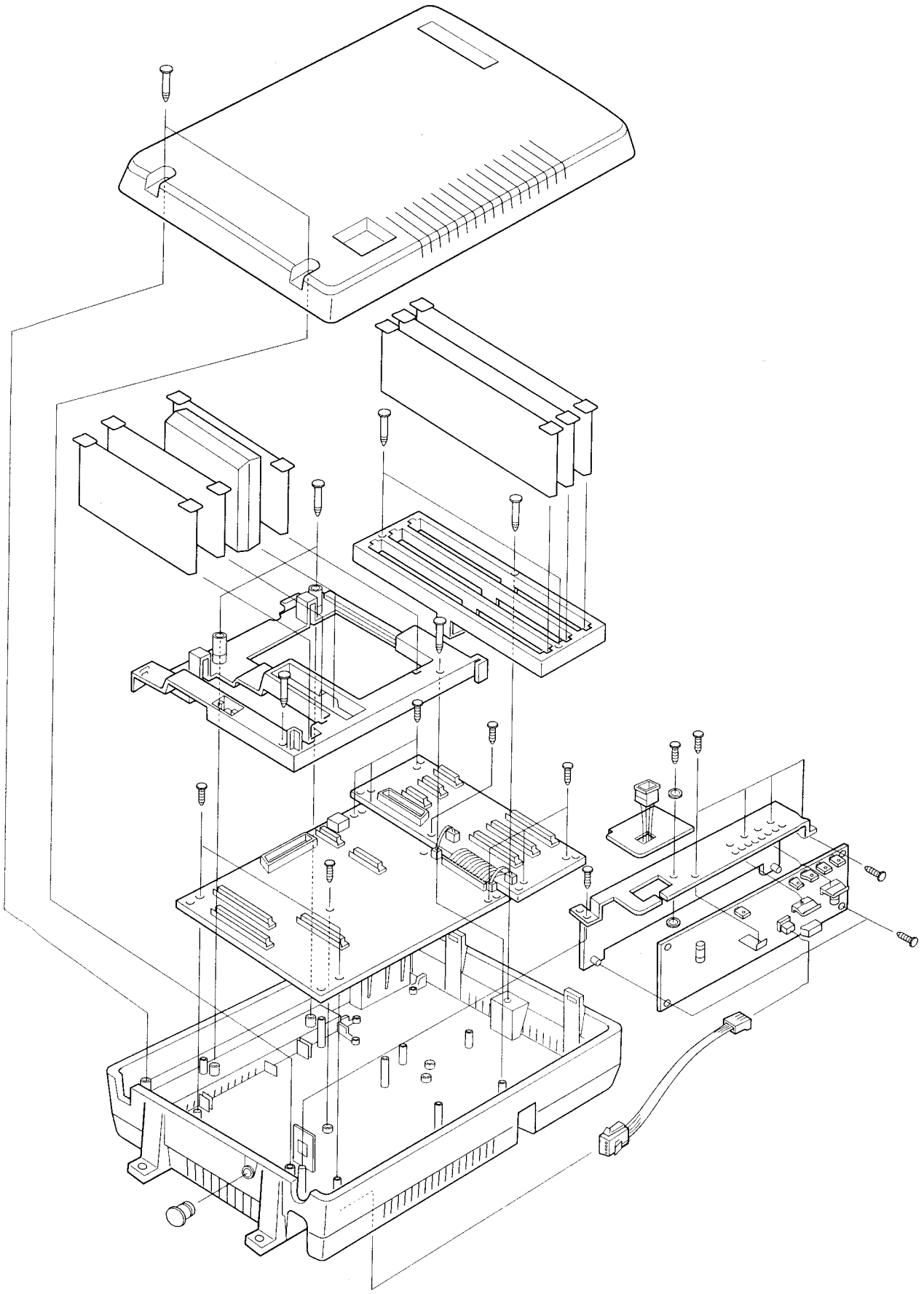
Environmental Limits

Operating Temperature	0℃ ~ 40℃
Humidity	5% ~ 95%
Storage Temperature	–10℃ ~ 70℃

1-3 Connection View



1-4 Exploded View



Chapter 2

Circuit Description

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2-1 408 Base B'd

408 Base B'd performs as a Mother B'd. The processor (MC68EC000) collects and analyzes all the signal data occurred when the system operates, and determines the system operation.

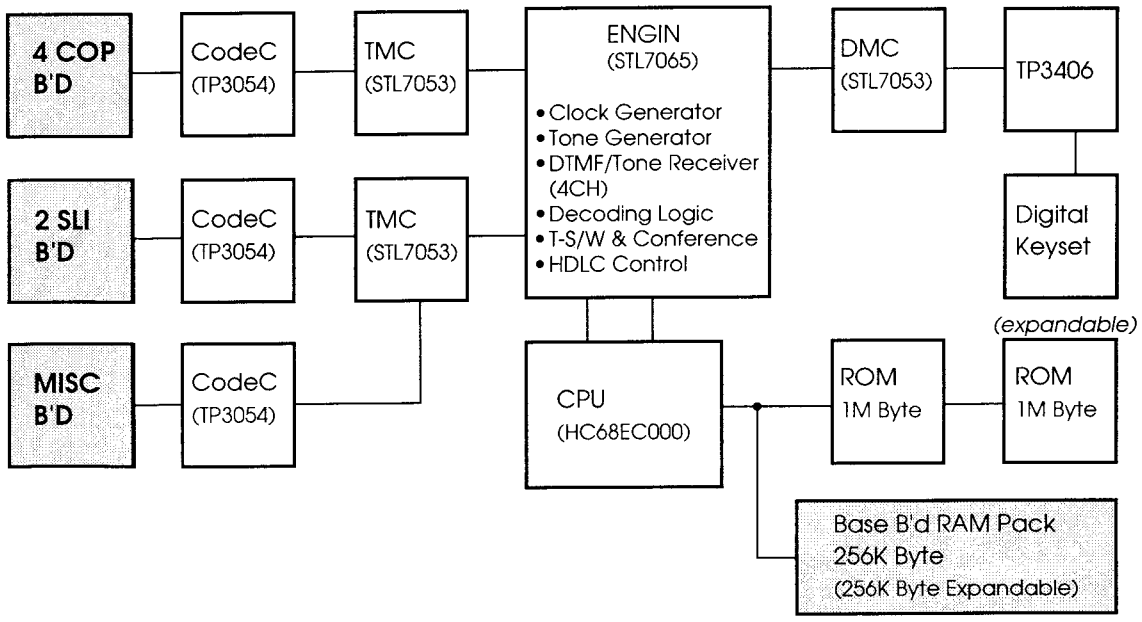
Memory consists of 1M byte Program ROM, 256k byte RAM on the BASE b'd, and 256k byte RAM in the RAM pack. (To expand system program, 1M ROM and 256k RAM can be added.) Basic 256k RAM in the RAM pack is backed up by the battery to save data in case of a long time power failure (about 1 week). The backup switch should be ON position to back up the memory.

DTMF sender, Tone generator, Timming generator, DTMF & Tone receiver, Time switch & conference are composed into one ASIC STL7065.

DSP (Digital Signal Processor) of the STL7065 receives the DTMF signal from the C.O. line. It can treat a maximum 4 channel DTMF received at one time.

Time switch of the STL7065 accommodates 256 channels. Conference can be performed with 6 groups of 5 parties.

2-1-1 Block Diagram



Note: The grey b'ds are connected to the 408 Base b'd with connector.

2-1-2 Memory Map

000,000 - 0FF, FFFH	$\overline{\text{ROM1}}$ En	• Program ROM • Two 27C4001 in 408 Base
100,000 - 1FF, FFFH	$\overline{\text{ROM2}}$ En	• Expand Program ROM • Two 27C4001 (Socket Installed)
200,000 - 2FF, FFFH	Not Used	
300,000 - 300, 070H	DSP	DSP Control in Engine
300,080 - 3FF, FFFH	Not Used	
400,000 - 403, FFFH	TSW/CONF	Time Switch and Conference Control
404,000 - 4FF, FFFH	Reserved	
500,000 - 7FF, FFFH	Not Used	
800,000 - 8DF, FFFH	Line En	Line Card Enable 800,000 - 81F, FFFH : 408 TRK (TMC) 820,000 - 83F, FFFH : 408 DLI (DMC) 840,000 - 85F, FFFH : 2SLI&MISC (TMC) 860,000 - 87F, FFFH : EXP 1 880,000 - 89F, FFFH : EXP 2 8A0,000 - 8BF, FFFH : EXP 3 8C0,000 - 8DF, FFFH : MISC (SIO & DSP)
8E0,000 - 8EF, FFFH	$\overline{\text{INT}}$ ID	SIO Interrupt Data Read D0 : $\overline{\text{INTS}}$(8DLI) D1 : $\overline{\text{INTS}}$(EXP1) D2 : $\overline{\text{INTS}}$(EXP2) D3 : $\overline{\text{INTS}}$(EXP3) D4 : INTS UART
8F0,000 - 8FF, FFFH	$\overline{\text{INT}}$ ID	DASL Interrupt Data Read D0 : INTD(8DLI) D1 : INTD(EXP1) D2 : INTD(EXP2) D3 : INTD(EXP3)

900,000 - 9FF, FFFH	Reserved	
A00,000 - AFF, FFFH	$\overline{\text{ROM1}}$ En	• RAM (256 kbyte : Back Up) • RAM Pack Installed (681000 2EA)
B00,000 - BFF, FFFH	$\overline{\text{ROM2}}$ En	• RAM (256 kbyte : Expand) • RAM Pack Installed (681000 2EA)
C00,000 - CFF, FFFH	Reserved	• C60, 000H $\overline{\text{TRC}}$ Enable • C80, 000H $\overline{\text{WATCH-DOG}}$ En • CA0, 000H LED On
D00,080 - DFF, FFFH	Engine	Engine (STL7065) Control
E00,080 - E00, 080H	DSP1 En	Engine DTMF Receiver 4CH Control E00, 080H CH1 90H CH2 A0H CH3 B0H CH4
F00,000 - FFF, FFFH	DSP2 En	Reserved

Interrupt Level

- LEVEL 7 : Not Used
- LEVEL 6 : Not Used
- LEVEL 5 : DLI SIO RX and MISC SIO RX Interrupt
- LEVEL 4 : 10ms Reference
- LEVEL 3 : 50ms Reference
- LEVEL 2 : DLI SIO TX and DASL Interrupt
- LEVEL 1 : Not Used

Highway Assignment

- HIGHWAY 0 : Assignment 4TRK, 4SLI, PAGE, MOH1, MOH2(MISC Card) in 408 Base b'd
- HIGHWAY 1 : Assignment 8DLI in 408 Base b'd
- HIGHWAY 2 : Expansion Slot #1 & 2
- HIGHWAY 3 : Expansion Slot #3
- HIGHWAY 4 : DTMFR in MISC Card

2-1-3 Circuit Description

CPU

CPU is fabricated using Motorola 68EC000. 68EC000 is compatible with 8-bit or 16-bit mode operation. 16-bit mode is available by setting MODE pin to high or open.

8.192 MHz supplied from STL7065 is used for clock and it is required to apply over than 100 ms for reset time.

Pin Description

- A0-A23 (Address Bus) : 16M byte memory
- D0-D15 (Data Bus) : $\overline{LDS}$ for D0-D7, $\overline{UDS}$ for D8-D15
- $\overline{AS}$ (Address Strobe) : Address is available while $\overline{AS}$ is low
- R/$\overline{W}$ (Read/Write)
- $\overline{UDS}$, $\overline{LDS}$ (Upper and Lower Data Strobe)

$\overline{UDS}$	$\overline{LDS}$	Data Byte Selected
0	0	Word operation
0	1	Upper byte (D8~D15)
1	0	Lower byte (D0~D7)
1	1	No valid data

- $\overline{DTACK}$ (Data Transfer Acknowledge) : Wait signal
- $\overline{IPL2}$~$\overline{IPL0}$ (Interrupt Priority Level) : Interrupt priority level of 68EC000 is determined with this 3 signal inputs.

Engine (STL7065)

Clock Generator

The 16MHz system clock output from 16MHz oscillator (Y1) is provided to STL7065 (U2). U2 generates 8.192MHz (pin 61), 4.096MHz (pin 109), 2.048MHz (pin 99), 1kHz (pin 49), and 20/25Hz (pin 68). 8.192MHz is provided to CPU and the rests are provided to the line control IC.

Time Switch

It performs switching for 8 highways (total 256 channels). 4-steps gain control is available.

Digital Conference

It is possible to support 6 groups of 5 parties. Any 8 of 256 channels can be assigned to the station who is joined into the conference.

Tone/DTMF Generation

It generates 7 Dual tones and 6 DTMFs at each of 32 channels by using the sine wave form data in STL7065.

Tone/DTMF Detection

Highway data from the time slot determined in TSAS is supplied from IDSPIN (pin 110) of STL7065. The input signal is converted to 8-bit parallel data and stored into the allocated registers for each channel.

The DSP core inside STL7065 starts detecting by reading the enabled channel PCM data at every 125us interrupt. Detecting is achieved only with tone detect control register enabled channel from Ch1 to Ch4 during 125 us interrupt. If a valid tone or DTMF signal is detected, the result is recorded to the relevant register of each channels. CPU will read the data at the registers.

Digital Line Interface (DLI)

8 DLIs equipped into the 408 Base b'd performs interface between SIM, DPIM and digital phone. It uses DASL chip (NS3406: U34-U39) at each port. The DASL chip uses 2B+D.

Signal transmission is achieved with 144 kbps full duplex AMI (Alternative Marking Inversion) code transmission mode. End to end communication supports voice channel B1 and B2, and two extension phones can be connected to 1 port.

192 kbps is used for actual transmission between DLI and digital phone, 16 kbps for sync, and the rests are used for null data.

Transmission distance between DLI and digital phone covers a maximum of 400 m by using AWG26 transmission code.

Parallel control data out from UART of DMC (STL7052: U42) is converted to serial data and transmitted to DASL. DASL transmits the control data to the digital phone in a format of AMI code. The control data out from the digital phone is transmitted to the CPU through the reverse process.

DMC Interface (STL7052)

Addresses A4 through A11 and A16 are used for communication between DMC and CPU. They can read and write D-ch data, initialize, and read the default value of DASL. The interface includes the data bus D0-D7 and INT RX0, RX1, and INT TX0, TX1. The RX INT will be enable when even one byte is received in the buffer, and TX INT will be enable when the buffer is empty.

If INT is enabled, CPU reads the INT status and performs INT service for the port of the selected bit. The INT status is cleared as soon as CPU reads it. For highway (B-ch) control between the time switch and DASL, HC125 (U11) tri-state buffer makes $\overline{TSR}$ (pin 9) of DASL enable. BCLKx (2.048MHz) , B4M, and DCLK (16kHz) are provided for clock.

DASL Interface

DX0-DX7 and DR0-DR7 are used for serial data transmission to D-ch of each port and are scrambled with B-ch to be converted as AMI code to be transmitted to line. D-ch data is used to control the telephone and B-ch data is used to make voice signal.

$\overline{INT0}$-$\overline{INT7}$ are used to control the micro channel interrupt of each channel. DASL INT is occurred only when micro channel access. No signal (C0), Out of sync (C1), and Bipolar violation(C7) are required to generate DASL INT. Since INT occurs only when power turns on at first time and the DASL status is changed by some error, INT is designed to tie up with UART TX by using AND gate.

The interface in cludes 1MHz CCLK as a U-ch control clock to assign the default value of DASL and as a main control clock, CI for control data input, and CO for status output. DMC transmits $\overline{FS0}$-$\overline{FS7}$ to tune DASL frame sync of each channel.

DGP Interface

DLT1 (T3-T8) is used for matching transformer. C96-C107 are used to reduce noise. Zener diode RLZ3.6A is for hazard protection. Poly switch PS1-PS6 and the diode IN4148 (D5-D16) are used to protect -56V from overvoltage, which is supplied to digital telephone.

Trunk Line Interface

The interface uses TMC IC STL7053 (U21) as a controller, which features:

- 4 trunk Interface
- 1 port for Back Ground Music
- 1 port for Page
- 1 port for common bell dry contact
- 2 ports for power failure transfer

4TRK Interface

Voice signal input from trunk line is fed to the input pin 14 of CodeC TP3057 (U22-U25) through HYB1 and HYB2. + 6.6 dBm gain applies to the input signal. It will be down to - 2.3dBm when the signal is out.

CodeC generates PCM data with 8kHz frame sync and 2.048MHz clock.

TMC (STL7053) collects all data occurred at trunk line, sends the data to CPU through data bus. The data output from CPU will be processed by the relevant bit of each port.

The interface includes A8-A10 and A16 for address, Chip Select in TMC, R/W pin, and BCLKx (2.048MHz), B 1kHz, BFSx for clock source.

<TMC : U21 trunk interface control pin description>

Function	U21 Pin Name	Pin No.
Hook Off Sensing	HOS 1 (C.O. 1) HOS 2 (C.O. 2) HOS 3 (C.O. 3) HOS 4 (C.O. 4)	23 29 36 43
Ring Signal Detection	Ring 1 Ring 2 Ring 3 Ring 4	21 28 36 42
Metering Pulse Detection	Meter 1 Meter 2 Meter 3 Meter 4	18 25 32 39
Loop Relay Control	DP 1 DP 2 DP 3 DP 4	19 26 33 40
Caller ID Relay Control	MUTE 1 MUTE 2 MUTE 3 MUTE 4	20 27 34 41

The pins of FS0 through FS4 receive BFSx from STL7065 and generate frame sync internally at every 8 kHz. $\overline{TSX}$ which controls Highway of U10 (HC125) according to FS0-FS4, is generated inside TMC. It is possible to assign optionally up to 31 channels for FS0-FS4 in the TMC. For the coding to A-low, SLKSEL (pin 16) of STL7053, IALAWUB (pin 4) of STL7065, $\overline{CLKSEL}$ (pin 7) of CODEC (3057) should be full up with resistor R167 (1kohm).

Background Music Port

408 Base b'd has one background music input port. The input signal is fed to CodeC (U26) through U33 (MC34072) and the PCM data is fed to Highway 0 TX.

Paging Port

The port is for external paging. The paging signal on RX Highway 0 is fed to DR port (pin 6) of CodeC (U26) and switched to analog signal. The analog signal is fed to VFXI (pin16). The output signal is fed to the speaker, which is connected to the paging port, through the OP amp of U33 and T2 (5692).

Dry Contact

It is the dry contact relay 1 port used for common bell. It makes use of EXTACT (pin 48) signal of TMC (U21). The signal activates Q1 (KST5550) to operate RLY1 (RY5W-K). To avoid relay contact spark, TNR5 (TNR270V) is used.

Power Failure Transfer

It is used for an extra telephone in case of the system power failure. When the power turns ON, RLY2 and RLY3 are automatically operated with 5V and the paths of CO1 and CO2 are connected to 4 Cop b'd. When the power turns Off, the paths of CO1 and CO2 are connected to modular jack J1 to allow the regular telephone to be used.

SLI and MISC Card Interface

TMC (STL7053) U20 is used to 2 SLI and MISC card. It controls SLC interface, BGM port of MISC, and dry contact relay 4 port. When METGND 2 (pin 32) input level becomes low, U20 recognizes 2 SLI card to be installed, and METGND 1 (pin 25) input level becomes low, U20 recognizes MISC card to be installed. For detailed operation for TMC, refer to "Trunk Interface" section.

SLI Interface

It performs a single line telephone interface.

Function	2 SLI Port	Pin Name	Pin No.	Remark
2 SLI Port Frame SYCN	SLC 1 SLC 2	FS0 FS1	24 31	• The selected Highway PCM Data • Generates SYNC to read write.
Hook Off Detection	SLC 1 SLC 2	HOS 0 HOS 1	23 29	• Port to detect Hook on/off
Ring Signal Transfer	SLC 1 SLC 2	D.P 0 D.P 1	19 26	• Relay control to send ring signal for a single line telephone

MISC Interface

It includes page zone relay, external music source, 2 SIO ports, and 4ch DTMF receiver. U20 controller performs its operation. Each pin description is as follows:

Item	Function	Pin Name	Pin No.
External MOH source 2	Frame Sync	BF SxExT	U20 Pin 47
Page zone relay	Zone 1 Zone 2 Zone 3 Zone 4	DP 2 MUTE2 DP 3 MUTE 3	U20 Pin 33 U20 Pin 34 U20 Pin 40 U20 Pin 41
DTMF 4Ch	DSP enable HWR4	D.P 0 D.P 1	U7 Pin 10 U7 Pin 21
SIO (SMDR & PC MMC)	MC68681 Enable MC68681 Interrupt	$\overline{\text{UEN}}$ $\overline{\text{INT U}}$	U7 Pin 40 U7 Pin 9

Expand B'd Interface

64 pin connector is provided to connect the signals to expand the b'ds. Refer to the circuit diagram for the pin assignment.

2-2 RAM Pack B'd

Capacity

Basic ROM	1M Bytes (installed at 408 Base b'd) Address : 000,000H - 0FF, FFFH	27C4001 x 2
Option ROM	1M Bytes (installed at 408 Base b'd) Address : 100,000H - 1FF, FFFH	27C4001 x 2
Basic RAM	256K Bytes (installed at RAM pack) Address : A00,000H - A3F, FFFH	681000 x 2
Option RAM	256K Bytes (installed at RAM pack) Address : B00,000h - B3F, FFFH	681000 x 2

2-2-1 Circuit Description

Real Time Clock (RTC)

RTC72423 (U5) which has small access time is used for RTC. It is equipped in the RAM pack for battery back up function. Data bus D8-D11 on CPU is connected and A1-A4 is used.

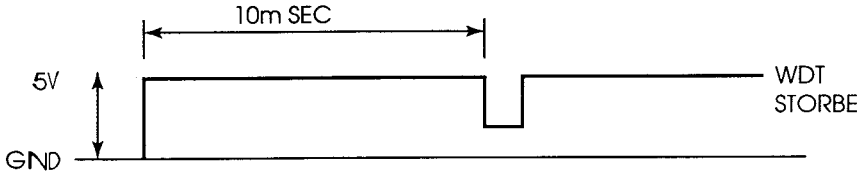
Memory Backup

3.6V 60mAH Ni-Cd battery equipped in the RAM pack is used for memory backup of 4 RAMs and RTC IC in case of power failure for a maximum of one week. To erase the RAM and the RTC data, set the backup switch to OFF and turn the power OFF. Software reset (MMC811: System Reset) is also available.

Watch Dog

It monitors the addresses within the specified range and reset the system if it cannot access the address within a specified time. If the program does not work properly, the watch dog address can not be accessed within a specified time. It cause WDT signal send out (pin 129 of U2) to be block and the /ST (pin 7) STROBE not to be applied. It results in the RESET signal to be generated from /RST (pin 6) after a predetermined time.

Normal STROBE input signal is as follows. When watch dog works DS1232 guarantees the reset time of minimum 250 ms, which result in CPU reset time to be of 100ms. Output reset time is adjustable by controlling TD pin of DS1232.



DS 1232S Watch Dog Time Output

TD Pin 2	Output		
	Min.	Typical	Max.
GND	50 ms	150 ms	250 ms
FLOAT	250 ms	600 ms	1000 ms
VCC	400 ms	1200 ms	2000 ms

Power On Reset

U6 (DS1232S) resets the CPU when power turns ON. It stabilizes the system operation. DS1232 accepts a minimum of 250ms as reset time and set the reset voltage to be 4.5V by adjusting TOL pin.

DS1232S Minimum Reset Voltage

TOL Pin 3	Voltage		
	Min.	Typical	Max.
VCC	-5 V	4.5 V	+5 V
GND	-5 V	4.75 V	+5 V

Reset Interface

The output of power on reset, watch dog, and manual reset signal come from $\overline{RST}$ (pin 6) of U6. The output signal is fed to RESET/(pin 21) and HALT/(pin 20) of the CPU U1 through the AND gate of U43 in 408 Base b'd.

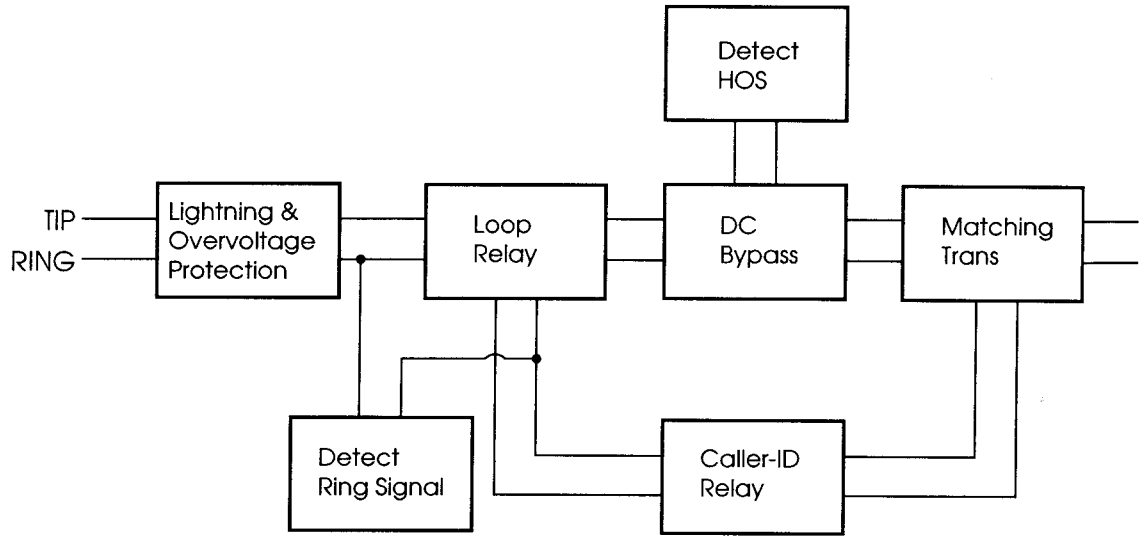
LED Indication

One LED which shows the system status according to the system programming is equipped in the RAM pack.

LED Off : Abnormal power
LED On : Power is normal but system does not work properly.
LED Flicker : Both power and system are normal. (Normal system means memory read/write and decoding logic work properly.)

2-3 4-COP Card

2-3-1 Block Diagram



2-3-2 Circuit Description

Loop Trunk Interface

Sending and Receiving voice frequency range (300-3400Hz) between keyphone system and trunk line are achieved with DC bypass and impedance matching.

The voice signal from T-R of trunk line 1 is fed to pin 1 of U102 (L3845) through ARS101,102, and Relay K1. The signal out from pin 8 is fed to first T101 (E600M) primary through C107 (47uF/63V). T101 secondary is applied to TRK interface port of 408 Base b'd through the connector P4 in the 408 Base b'd.

Lightning & Overvoltage Protection Circuit

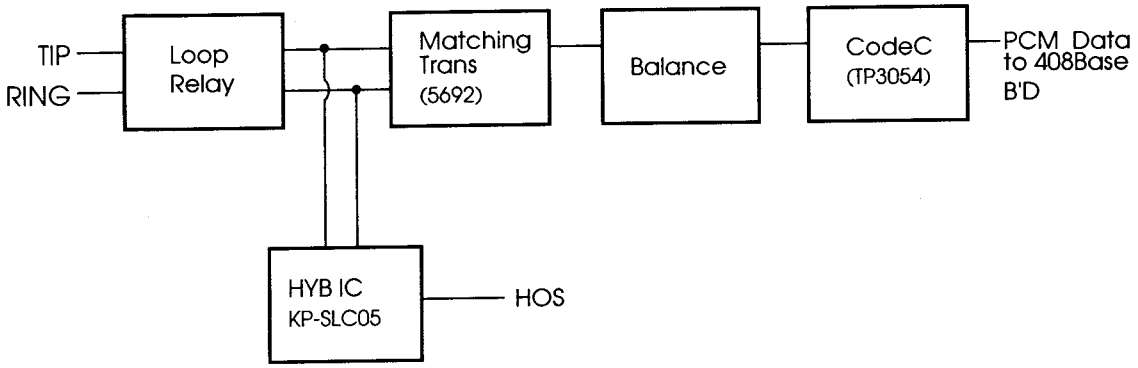
ARS101 through ARS103 are provided protect the system from overvoltage and lightning damage at 4 trunk lines.

Incoming Ring Detect

The incoming ring signal from C.O. line is fed to the pin 1 of U101 through the pin 7, 6 of relay K1 and C104 (1 uF/250V). The pin 4 of U101 pulls down in low. It switches to high if the ring signal is applied. The signal is fed to U22 of 408 Base b'd through the pin 10 of connector P4. It allows to detect the incoming ring.

2-4 2-SLI Card

2-4-1 Block Diagram



2-4-2 Circuit Description

SLI Voice Interface

The signal from the regular telephone is fed to primary T1 (5692) through the pins 2,3,7,and 6 of K1, and C103, C104. The output signal from T1 is fed to VFXI (pin 15) of U102 through the balance circuit HYB4, then is supplied to Highway 0 in a format of PCM data.

DC Feeding

-56V DC, the power to operate a single line telephone, comes out from pin 2 and 4, and is supplied to the regular telephone.

Hook Detection & Dial Pulse Detection

HYB1 is used to detect hook on/off signal or pulse dial on a single line telephone. If the phone is off-hook or during the make time of pulse, HYB1 pin 5 becomes low, and If the phone is on-hook or during the break time of pulse, HYB1 pin 5 becomes high. The condition of pin 5 transfers to the pin 23 of U20 in the 408 Base b'd.

Ring Trip

If the station user lift the handset when the phone is ringing, Relay K1 and K2 are released to finish the ring signal transmission. The pin 5 of HYB1 and 2 become high. TMC (U20) can detect the signal status.

2-5 MISC Card

2-5-1 Circuit Description

SMDR

It is the feature to print out the communication information with a serial printer. The SIO controller of U1(MC68681) in the MISC b'd sends and receives communication data to and from the 408 Base b'd through the data bus BD0-BD7 and the addresses BA4-BA7. Then the SIO data sends out to the port 2 of U1. The data is provided to RS232C driver U3 (MC145406) and the output signal is supplied to the serial printer which is connected to P1.

HC145409 uses +/-5V, and logic circuit uses 5V and GND for operating power. The default data format is as follows:

- Data bit : 8 bit
- Stop bit : 1 bit
- Speed : 9600 bps
- Parity : None

PC MMC

MMC data is sent and received through the SIO controller port 1 of U1. The output signal from U1 sends to RS232C driver U2 (MC145406). The output signal from U2 is supplied to RS232C port or modem through the 9 pin connector P2. The default data format is the same with SMDR.

DTMF Receiver (4 Ch.)

It performs 4 channel addition into the DTMF receiver 4 CH in U2. It receives 4 CH DTMF in U7 of MISC b'd.

Data bus BDS0-BDS7 and addresses BA4-BA11 are connected to the 408 Base b'd and clock is provided from pin 145 by receiving oscillator output of Y2. When DSP enable signal comes in through the pin 5 of U7, DTMF is detected by reading the DTMF PCM data of HWR4 which is supplied from pin 110 (DSPIN).

MOH 2 Connection Circuit

External music source is supplied to the pins 38 and 6 of P7 connector in the MISC b'd through the pins 25 and 50 of P1 in the 408 Base b'd. Input impedance is matched to 600 ohms.

The signal is fed to pin 3 of U4 (MC34072) through C14, T1, and R7. The signal out from pin 1 is supplied to pin 15 of U5 (TP3057) through R11. The music signal is converted to PCM data and applied to HWX0 through pin 11 of U5, pins 5 and 6 of U6, and R17.

Page Zone Relay Control

If the output from the pins DP2, DP3, MUTE2, and MUTE3 force high in 408 Base b'd , Q1-Q4 turn On through pins 25, 26, 57, 58 of P7 in MISC b'd. It allows RLY1-RLY4 to be On or Off so that the speech path of the selected page zone is connected.

2-6 4-TRK Card

The card is installed into the expansion slot. It is option card required to expand 4 loop start C.O. lines. U1 (STL7053) controls 4 loop start C.O. lines. The card contains the following:

- Loop Trunk Interface
- Lightning and overvoltage protection
- Incoming ring detect

2-7 6-DLI Card

The card is installed into the expansion slot. It is option card required 6 digital extension lines. U11 (STL7052) controls 6 digital extension lines. The card contains the following:

- DMC Interface
- DASL Interface
- DGP Interface

2-8 6-SLI Card

The card is installed into the expansion slot. It is option card required for 6 SLC extension lines. U1 controls 6 SLC extension lines. The card contains the following:

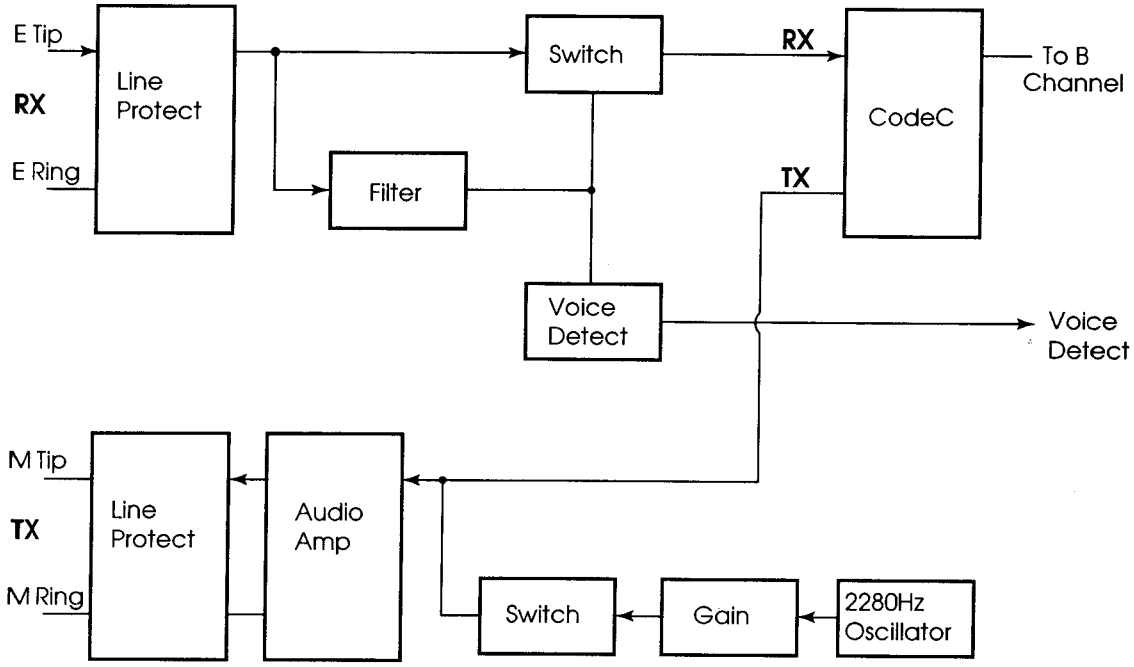
- SLI voice Interface
- DC feeding
- Hook & Dial pulse detection
- Ring trip

2-9 Ringer B'd

Ringer b'd generates ring signal and provides it to single line telephone. It is composed of Wein bridge oscillation part, filter, and amplification.

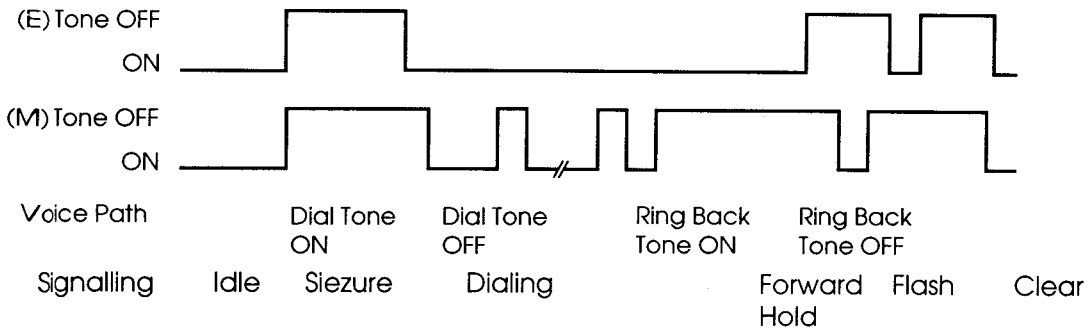
2-10 AC15 B'd

2-10-1 Block Diagram

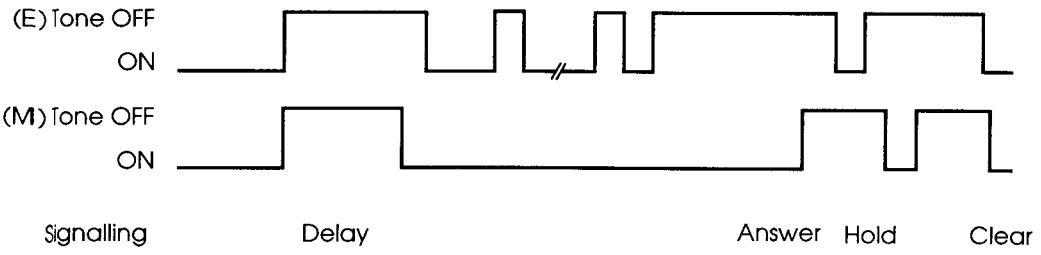


2-10-2 Signalling Procedure of Delay Dialling in AC15

Outgoing



Incomming



2-10-3 Circuit Description

M Signalling

2280Hz Tone generated from U30 (XR8038) is fed to the analog switch of U25 (CD4053) through U21 (TL084) which can adjust gain.

At the idle state if the switch is on, 2280Hz tone is transmitted to M line through 4 steps Op amp. If the switch is off to seize the line, the tone signal does not transmitted. It causes the other party to detect the line release.

TX Voice

When the voice channel is connected, pin 12 and pin 14 of U25 are open and tone is not transmitted. Tx signal out from the pin 3 of CodeC U9 (TP3057) is transmitted to M lead through U21 (TL084).

E Signalling

If 2280Hz tone continues to be sent, it becomes an idle state. If the tone is stopped, it is recognized as a seizure status. Tone signal is amplified at U1-A (TC084) through E600M transformer. The signal is fed to HYB2280.

The pin 6 output switches to high or low according to the condition of tone. If the seizure status is detected, the analog switch U5-B (CD405-3) connects to pin 5 and pin 4 and enters into codeC. The RX signal operates VOX U29 through 2280Hz notch filter.

RX Voice

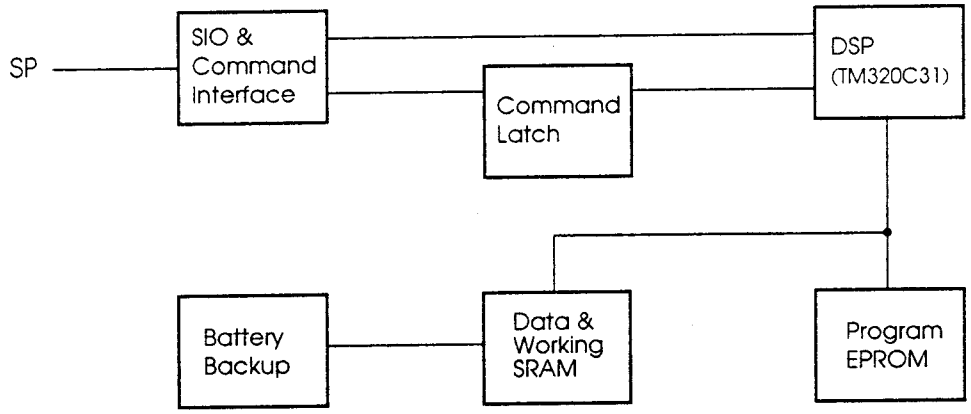
If pin 5 of U5-BC (CD4053) is connected to pin 4, the E line signal is fed to CodeC via E600M.

2-11 VDIAL Card

2-11-1 General

VDIAL card is installed to the expansion slot to enable voice dialing. It is composed of digital signal processor, memory, SIO interface, and command latch.

2-11-2 Block Diagram



2-11-3 Memory Map

SIO Memory Map

Address		Assigned Value
808040h	serial port global control	0a000302h
808041h	reserved	
808042h	FSX/DK/CLKX port control	00000111h
808043h	FSX/DK/CLRK port control	
808044h	R/X timer control	
808045h	R/X timer counter	
808046h	R/X timer period	
808047h	reserved	
808048h	data transmit	
808049h	reserved	
80804ah	reserved	
80804bh	reserved	
80804ch	data reserved	
80804dh	reserved	
80804eh	reserved	
80804fh	reserved	

Timer Memory Map

Address		Assigned Value
808020h	timer global control 1	
808021h	reserved	
808022h	reserved	
808023h	reserved	
808024h	timer counter	
808025h	reserved	
808026h	reserved	
808027h	reserved	
808028h	timer period	00000010h
808029h	reserved	
80802ah	reserved	
80802bh	reserved	
80802ch	reserved	
80802dh	reserved	
80802eh	reserved	
80802fh	reserved	

Flag List

Address		Assigned Value
02284ch	EXT_INT FLAG0	00000000h
02284Dh	EXT_INT FLAG1	00000000h
022853h	SERVICE CHANNEL ID	00000000h
022854h	RECOG/REGIST MODE0	ffffffffh
022855h	RECOG/REGIST MODE1	ffffffffh
02285Ch	FRAME SYNC COUNTER	00000000h
02285dh	USED_CHANNEL FLAG0	ffffffffh
02285eh	USED_CHANNEL FLAG1	ffffffffh
0228b1h	DATA BUFFER0	0003feb0h
0228b2h	DATA COUNTER0	00000000h
0228b3h	BUFFER SELECTER0	00000000h
0228b4h	FRAME PRESELECT0	00000000h
0228b5h	FRAME COUNTER0	ffffffffh
0228b6h	DATA BUFFER1	0000ff50h
0228b7h	DATA COUNTER1	00000000h
0228b8h	BUFFER SELECTER1	00000000h
0228b9h	BUFFER PRESELECTER1	00000000h
0228bah	FRAME COUNTER1	ffffffffh
0228bbh	RESET FLAG0	ffffffffh
0228bch	RESET FLAG1	ffffffffh

Memory Map

00h	INTERRUPT VECTOR LOCATIONS
0c0h	TEXT
0c46h	CINT
0f81h	INT3
01088h	TINT0
0109ch	INT2
010e0h	RINT0
01216h	MAIN1
08000h	RESERVED
020000h	NOT NSTALLED
024800h	BSS
03fe80h	TEMPLATE MEMORY FOR RECOGNITION
03fe80h	SIO BUFFFER
	NOT INSTALLED
0809800h	STACK

2-11-4 Circuit Description

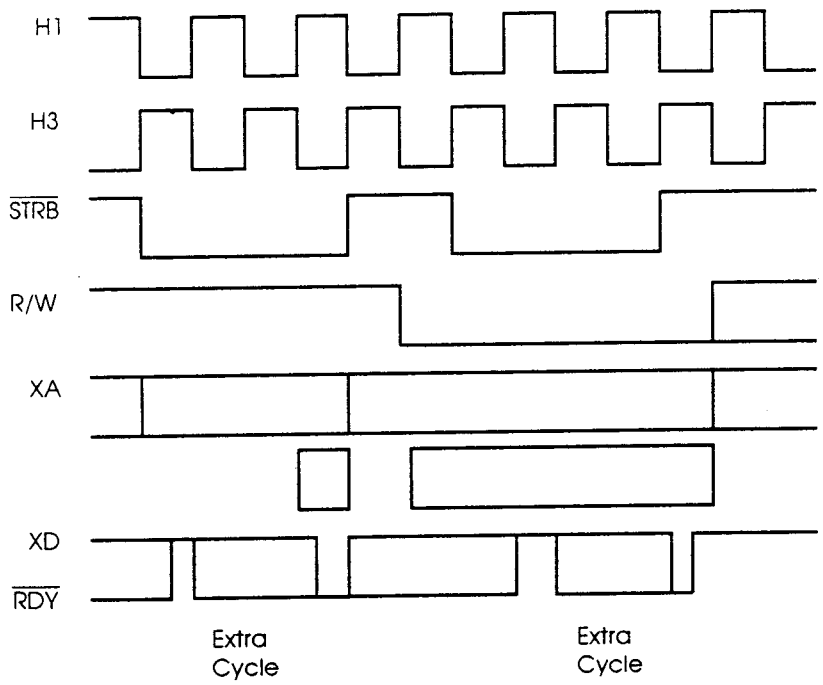
DSP

DSP in VDIAL card uses TMS320C31 which is for TI floating point calculation. TMS320C31 is provided with 27 MHz clock source. It features as follows:

- 74ns single cycle instruction execution time
- 27 MFLOPS, 13.5 MIPS
- Two 1K x 32 bits single cycle dual access on chip RAM
- 32 bits instruction and data words, 24 bits address
- 32 bits barrel shifter
- Eight expended precision registers
- Eight auxiliary registers
- On chip DMA
- Integer, floating point, and logical operations
- Parallel ALU and multiplier instructions in a single cycle
- Block repeat
- One serial port to support 8/16/24/32 bits transfers
- Two 32 bits timers
- 132 pin PQFP package, 8 um CMOS

Memory Interface

70ns SRAM 27C256F is used for VDIAL memory. Memory interface indicates the read/write timing of the memory which uses wait state inside TMS320C31. Memory timing operates according to H1 clock.



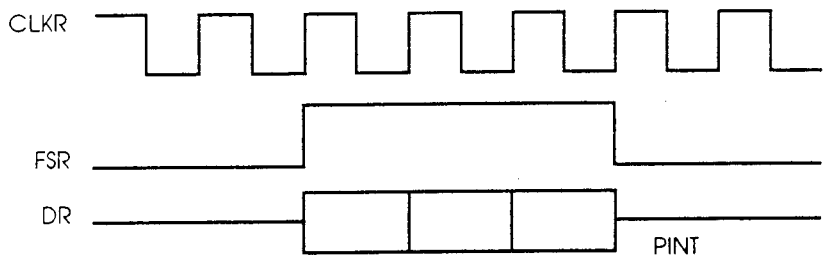
<Memory Read/Write Timing Diagram>

EPROM size is 32Kbyte x 4. VDIAL memory is composed as follows:

Memory Type	Memory Area	Size
EPROM	0000h-07fffh	32K word
SRAM	20000h-3fffffh	512K word
R_LATCM	8000h	1 byte
W_LATCM	8001h	1 byte

SIO

SIO, which is installed in TMS320C31, is provided to receive PCM voice data from the keyphone system. The signal from the system is a serial clock of 2.048 MHz, 8 kHz frame clock, and 8 bit serial data. Valid signals of SIO are serial clock (CLKK-R), frame clock (FSX-R), and serial data (DX-R). VDIAL performs only receiving with CLK-R, FSR, and DR pin. The operating mode is variable burst mode and the operating timing is as follows:



The frame sync clock provided from system is basically 8 kHz.

Interrupt

Interrupt signals used at VDIAL is RESET, INT2, INT3, RINT0, and TINT0.

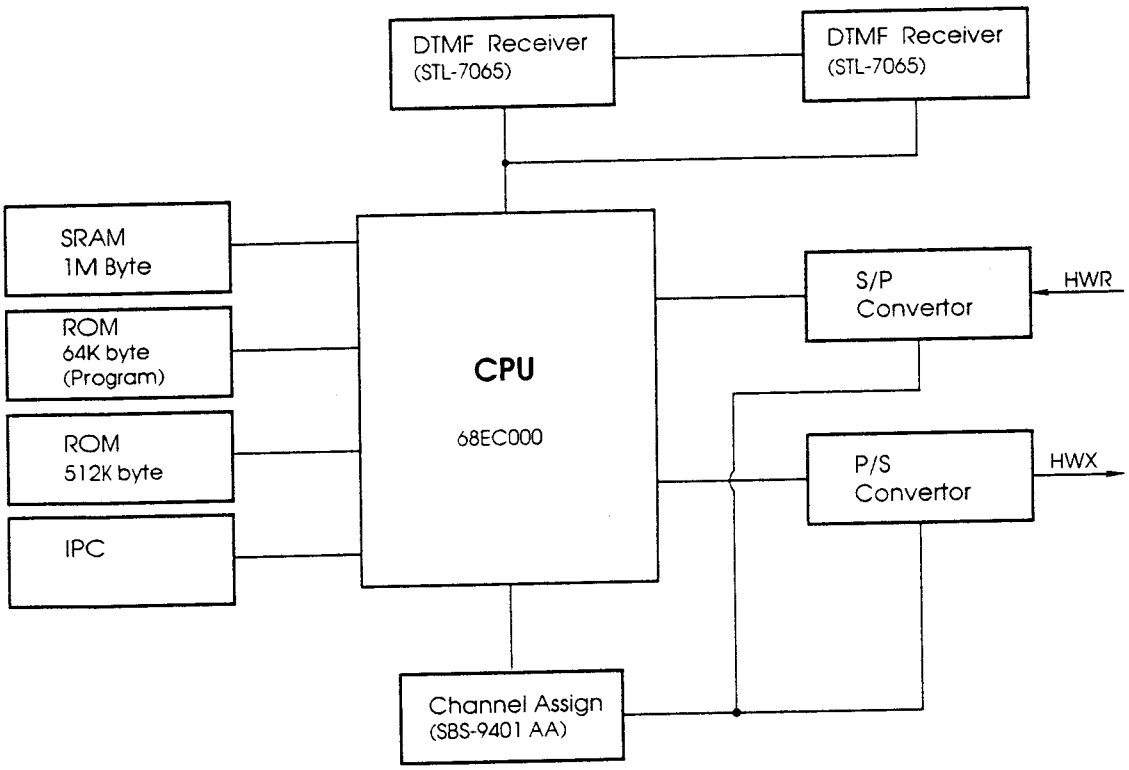
2-12 AA Card

2-12-1 General

The card performs auto attendant and voice mail features that provides traditional automatic answering of incoming calls, presentation of choices to the caller, and connection to extensions based on those choices.

This card is composed with processor, memory, data converter, IPC, and channel assign.

2-12-2 Block Diagram



2-12-3 Memory Map

Memory Map

- 000000h-07ffffh : program area
- 080000h-0fffffh : SRAM (working + AA / VM recording)
- 100000h-17ffffh : SRAM (AA / VM recording)
- 180000h-1fffffh : AA fixed data
- 200000h-27ffffh :
- 280000h-2fffffh : I/O area

I/O Map

- 280000h-29ffffh : serial port read
- 2a0000h-2bffffh : AA port write
- 2e0000h-2fffffh : IPC & channel

AA Port Write Map

- 2a0000h-2a3fffh : AA port 1
- 2a4000h-2a7fffh : AA port 2
- 2a8000h-2abfffh : AA port 3
- 2bc000h-2affffh : AA port 4
- 2b0000h-2b3fffh : AA port 5
- 2b4000h-2b7fffh : AA port 6

IPC & Channel Map

- 2e0000h-2e3fffh : IPC write
- 2e4000h-2e7fffh : IPC read
- 2e8000h-2ebfffh : AA channel
- 2ec000h-2effffh : reserved
- 2f0000h-2f3fffh : AA VME debuger
- 2f4000h-2f7fffh : reserved
- 2f8000h-2fbfffh : interrupt clear
- 2fc000h-2fffffh : reserved

AA Channel Map

- 2e9000 : AA channel 1
- 2e9010 : AA channel 2
- 2e9020 : AA channel 3
- 2e9030 : AA channel 4
- 2e9040 : AA channel 5
- 2e9050 : AA channel 6

2-12-4 Circuit Description

Processor

Motorola 68EC000 is used for AA & VM microprocessor. Operation mode is 8 bit and external SRAM and ROM memory is provided. 16.384MHz clock is used for CPU.

8kHz frame sync is used for external interrupt source. When interrupt occurs, the processor can read and write the data from the relevant port in the interrupt service routine, and clears the interrupt.

Memory

External RAM is used for 68EC000. 32kbyte is assigned for program working SRAM, and 992 kbyte for recording AA data.

For AA & VM, external ROM is used, 64kbyte is assigned for program ROM and 512kbyte for message storage.

Data Converter

It converts the highway serial input to pararrel data, and the pararrel output from memory to a serial data. The serial PCM data is converted to pararel to be stored in memory by using HC595. The stored data should be converted to serial to be sent to highway by using HC165.

Channel Assign

SBS9401 is used to assign each channel. 6 channels are allocated.

IPC

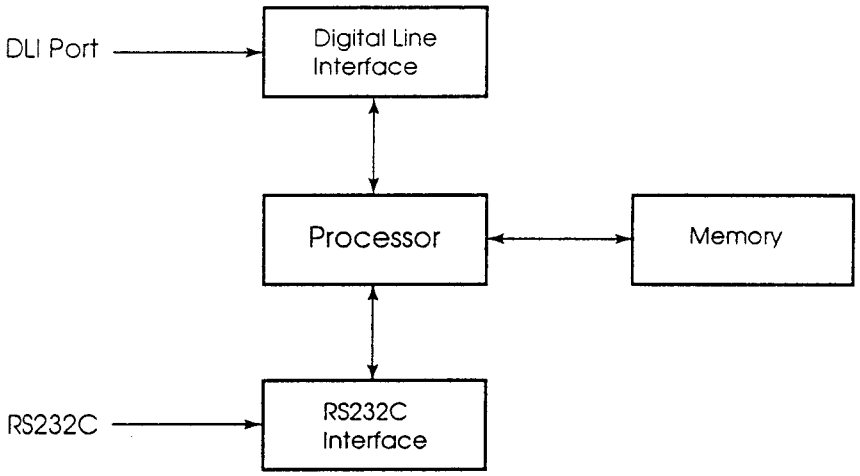
IPC is the part that AA and SP are communicate with message. Data on reset, recording, and playback are exchanged.

2-13 SIM Module

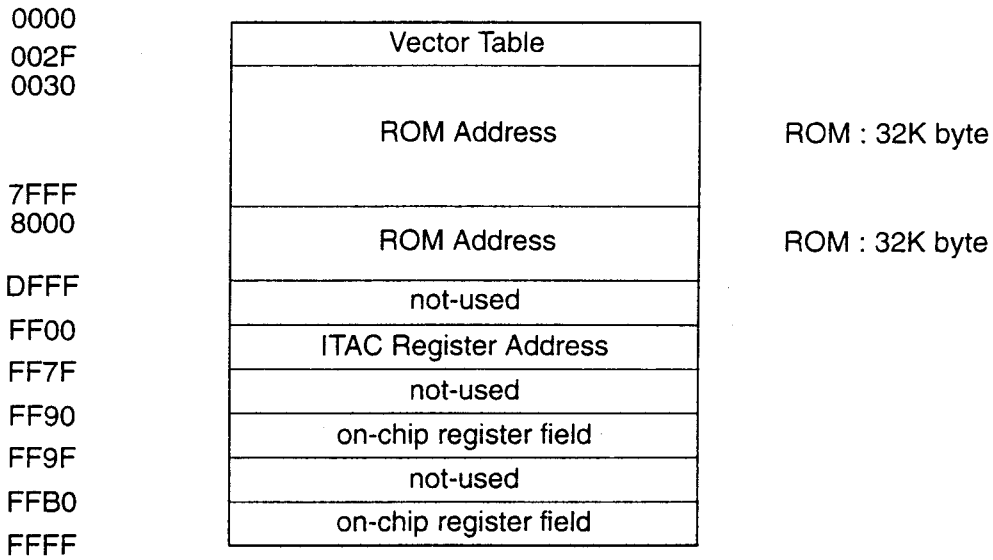
2-13-1 General

SIM is the interface for digital line and data. One data terminal can be connected to one SIM.

2-13-2 Block Diagram



2-13-3 Memory Map



Port 7 Pin function

P70	P71	P72	P73	P74	P75	P76	P77
reserved	reserved	reserved	reserved	$\overline{AS}$	$\overline{WR}$	$\overline{RD}$	$\overline{WAIT}$
				output	output	output	output

P7DDR = 0 X FF

P7DD4 = 0 X FF

2-13-4 Circuit Description

Serial Communication Interface

H8/325 has 2 serial communication interface module. SCI is used to transmit and receive D-channel signalling data between processor and DASL. It contains the following:

- Communication mode : Asynchronous mode
- Data length : 8 bits
- Parity Even
- SCI Input / Output pins
- Serial clock SCK0=32k
- Serial Receive data RxD0=DASL DR
- Serial Transmit data TxD0=DASL DX

RAM

SIM uses external RAM while H8/325 uses 1 kbyte RAM of internal on-chip memory.

- RAM size : 24kbyte RAM
- RAM enable bit (RAME)

To enable the external memory, on-chip RAM should be disabled and RAME bit should be set.

RAME

0	on-chip RAM is disabled
1	on-chip RAM is enabled

ROM

32kbyte internal ROM is used. To enable the internal ROM, assign the operating mode 2.
ITAC is installed in the data terminal and DASL. It converts the data from terminal to be proper for ISDN protocol according to rate adaptation.

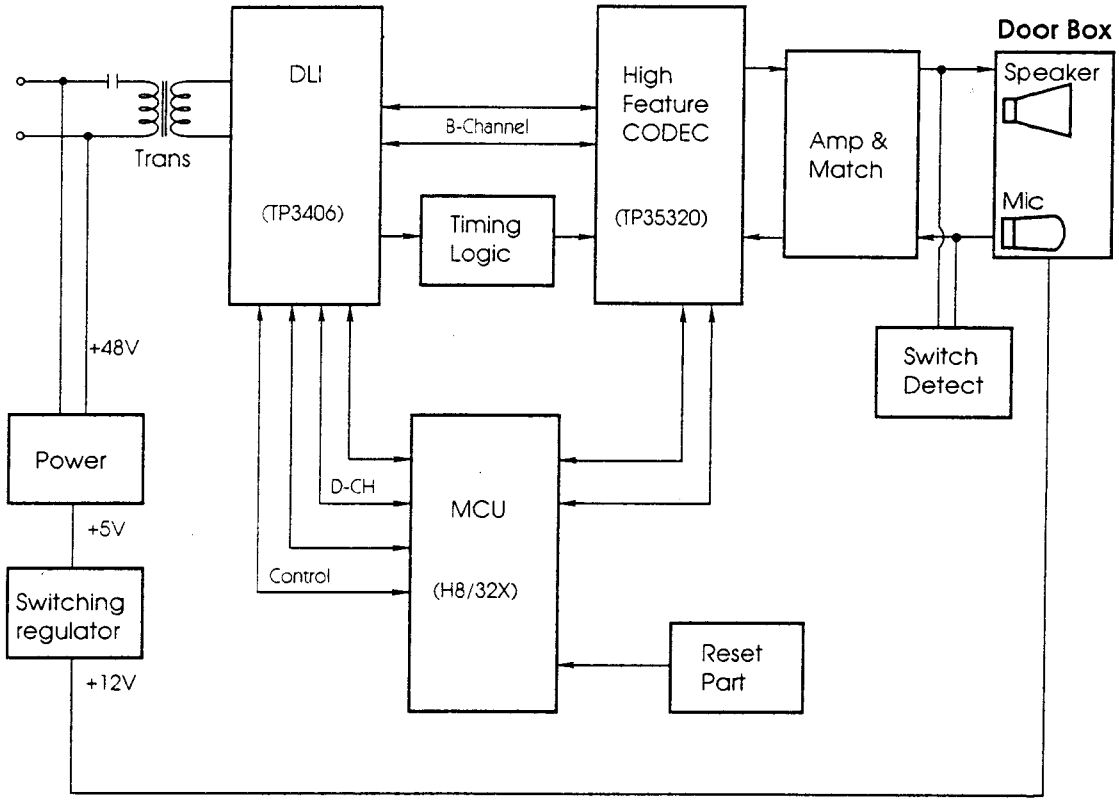
Mode	MD1	MD0	on-chip ROM
2(expanded mode)	1	0	Enabled

2-14 DPIM Module

2-14-1 General

DPIM converts the digital signal from digital keyphone to analog signal to communicate with the analog door phone. The allowable distance between DPIM and main system is of 400m. It is a maximum of 200m between DPIM and the door phone, and a maximum of 600m between the main system and door phone.

2-14-2 Block Diagram



2-14-3 Circuit Description

The DPIM (Digital Door phone Interface Module) uses the door box which has been used for the 816 analog keyphone. It is composed with interface part to send or receive analog signal from the microphone and speaker. DPIM converts the digital signal from digital keyphone system into the analog signal to send to the door box, and sends the analog signal from the door box to the digital keyphone system after converting to digital signal.

Amplifier and Matching

The analog signal out from HFC and door box is amplified at TL084. TL084 is equipped with 100kohm for input resistance.

T5692, the same one equipped in the door box, is used for matching transformer. 1 kohm (R14) resistance guarantees the best transmission quality, and 100kohm (R9, R10) is used for balance resistance to prevent the speaker input signal from flowing to MIC input pin 19 in HFC.

Door Locker Control

Door locker can be installed in DPIM. Relay switch is used to open the door. P10 (pin 48) in MCU is the relay control port, which is the key scan port in the digital phone. D6 (IN4148) is to get rid of the opposite electric power generated at the relay, and capacitor and resistor is used to bypass the spark generated at relay contact.

Switch Detect

A push switch in the door box is used by a visitor to call the one inside. DPIM detects whether the switch is pushed or not with photo coupler, and supply the signal into the MCU port 46 (pin 15). The MCU sends the data in a format of serial data to TP3406 U5 through D channel. The main system transmits the signal to the preassigned port to connect the visitor to the user inside.

The switch detect signal consists of two lines because it is transmitted through the center tap of matching transformer. Even though +5V is fed to the transformer, it does not damage the transformer.

+12V Generator

+12V power with 5Vp.p (+5V reference) should be supplied to the OP amp (TL084). The step up DC to DC converter (LT1109, U11) is used to generate +12V output from +5V input with simple peripheral circuit.

2-15 Digital Keyset

2-15.1 General

The digital phone exclusively designed for DCS system provides a lot of services. A digital phone equipped with LCD shows up to 12 words message through the 2 line x 16 words LCD display in front of the phone.

A digital phone without LCD performs the same function as the LCD phone except the LCD-related features. And a basic phone (simple phone) basically performs the same function compared with the LCD phone except no LCD display and less function keys.

The Add On Module (AOM) device has 48 DSS key, LED display feature. It can't be used by itself because of its absent of speaker and microphone.

LEDs are attached in all the function keys and the programmable keys on the LCD phone. Dual color LEDs (red & green) are used. However the AOM uses only a red LED.

The allowable maximum distance between the main system and the digital phone is 400m. 2 line twist pair is used and connected with modular jack.

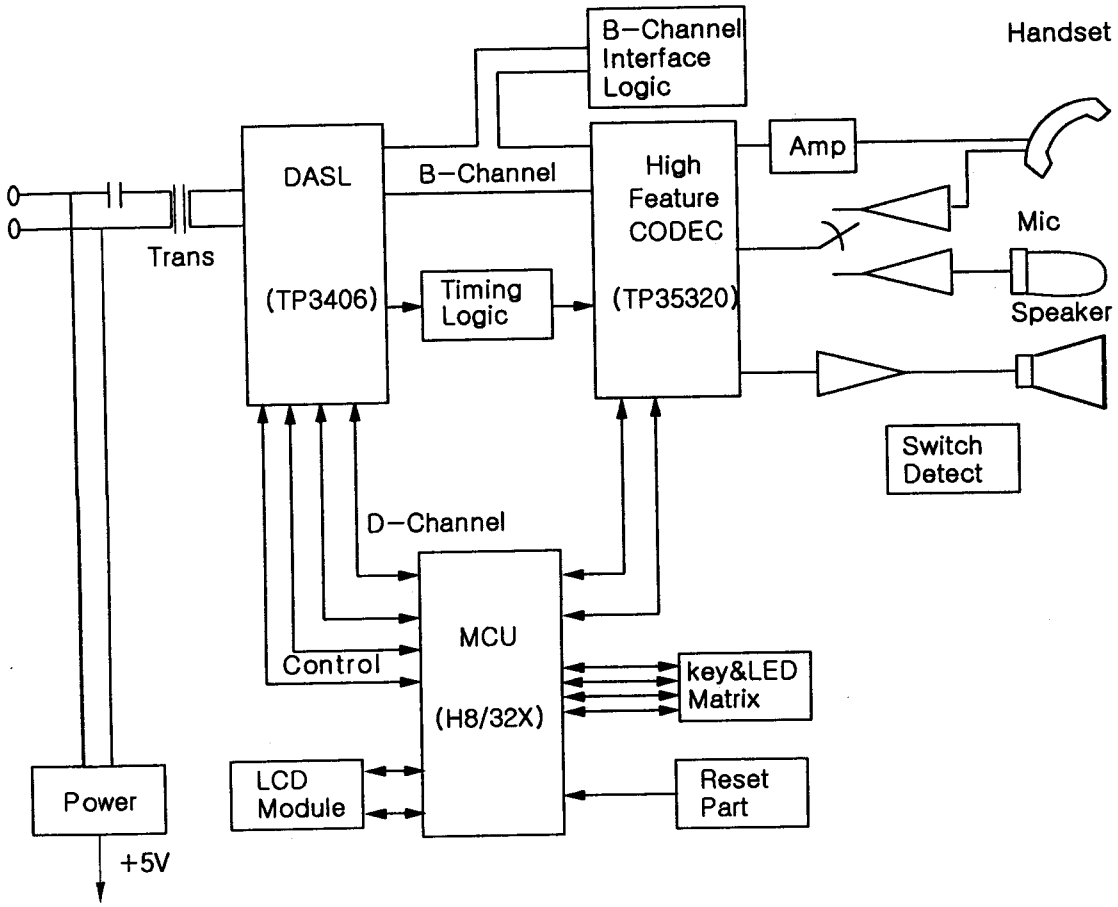
It is selectable for desk top use or wall mount. Wall mount bracket is supplied.

Digital telephone is connected to the main system through the Digital Line Interface(DLI), and sends or receives voice and data signal after AMI coding as 2B+D format.

u-Law or A-law voice signal is selectable according to the PCM coding mode, which is adjustable by high feature codec software setting.

MCU uses masking type of H8/325 series made in Hitachi. MCU is preprogrammed several functions.

2-15.2 Block Diagram & Description



2-15.2.1 Microcontroller(MCU)

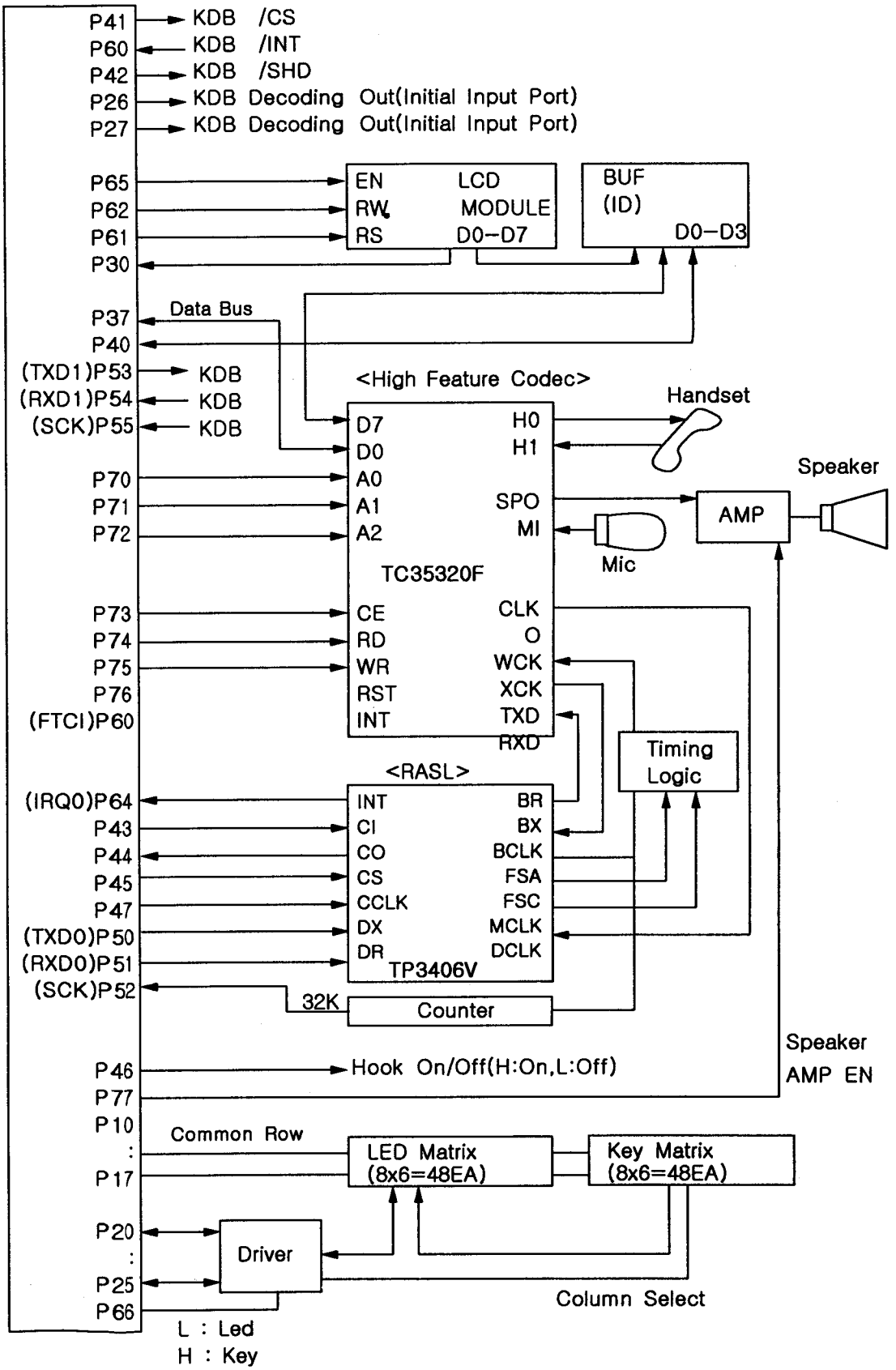
Hitachi H8/300 series are used for the MCU of the digital keyphone. It is 8-bit single chip microcontroller with flat package type.

The MCU is composed of CPU core, ROM, RAM, Input/output ports, 2types timers, serial communication interface, and clock generator. 6.144 MHz clock is provided from high feature Codec(TC35320F). It is divided into two 3.072MHz clocks inside MCU.

Specifications

ITEM		H8/325	Remark
Clock Frequency		3.072MHZ	6.144MHz External Clock
Instruction Execution Time		0.326 us	
Supply Voltage		5V	5V±10%
Operation Temperature		−25 ~75℃	0~50℃
Package Type		FP−64A	See "Pin Package"
Memory	ROM	32K byte	H8/324 : ROM 24K,RAM 1K bytes H8/323 : ROM 16K,RAM 512bytes H8/322 : ROM 8K,RAM 256bytes
	RAM	1K byte	
Interrupt	External	4	2(IRQ0,IRQ1)
SIO	UART	2	2
Operationg Modes		Mode 1,2,3	Mode 3 : Single Chip Mode
*one time PROM *masked ROM		HD6473258F HD6433258F	64P QFP(FP−64A)

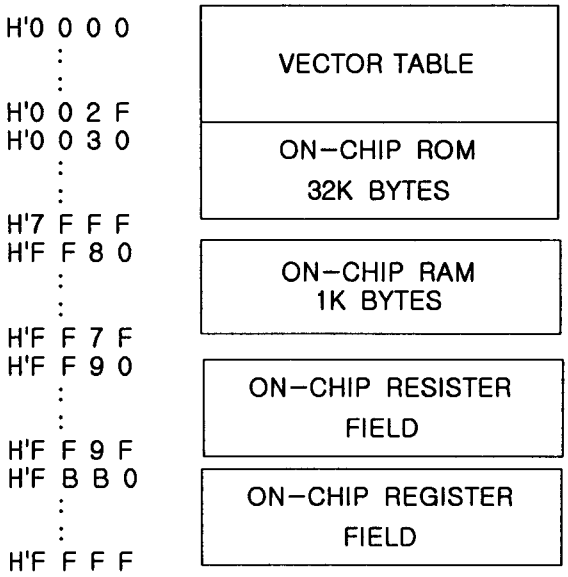
2-15.2.2 Block Diagram of MCU Port



2-15.2.2.1 H8/32F Memory Map(Mode3)

The address map shown below is based on H8/325

Address Space Map



Note: The memory map shows the address space. I/O address of each port is as follows. DDR determines Input or Output. O is input, 1 is output. Input and output of each port are determined by the default setting.

(Port I/O Address)

Port No.	DDR ADDR.	DR ADDR.
PORT1	FFB0	FFB2
PORT2	FFB1	FFB3
PORT3	FFB4	FFB6
PORT4	FFB5	FFB7
PORT5	FFB8	FFBA
PORT6	FFB9	FFBB
PORT7	FFBC	FFBE

2-15.2.2.2 Phone Types

No.	Types	D3	D2	D1	D0	Remark
1	Reserved	1	0	0	0	0 : Ground 1 : VCC
2	LCD 24B, STD 24B	1	0	0	1	
3	LCD 12B, STD 12B	1	0	1	0	
4	AOM	1	0	1	1	
5	Simple (6B basic)	1	1	0	0	
6	Reserved (SIM)	1	1	0	1	
7	Reserved (WIDE LCD)	1	1	1	0	
8	DPIM(Door Phone Interface)	1	1	1	1	
9~16		0	X	X	X	

Note: During the IC initial check, if the P40 input port is low, the system regards it as a basic phone. If R4 is pull-up and the port is high, it is regarded as a output port and the system retry to read ID. The value of the ID is provided above.

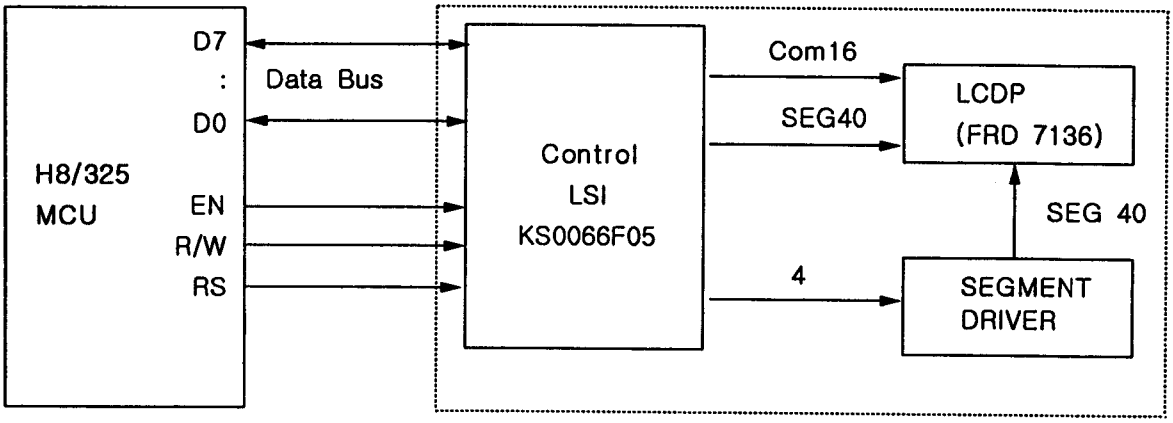
2-15.2.2.3 Display

DMC16230 is used for LCD display and is controlled by U-processor H8/325F

Specifications

Item		Standard Value			
		Min.	Typical	Max.	Remark
Supply Voltage (V)		0	–	0.7	Vcc ~ Vss +5V
Operation temperature		0	–	+50℃	
Power Current (mA)		–	0.5	2.0	Vcc = +5V
Display	Format	16 Characters x 2 line			
	Fonts	5 x 7 Dots + Cusor			
Module Size (W x H x T)		122 x 44 x 11(mm)			

2-15.2.2.4 Block diagram



2-15.2.3 Key & LED Matrix

2-15.2.3.1 Key Matrix

When composing of the key matrix, the common and row method is used to reduce the number of port.

Key scan is the section to detect key input from the key matrix which composed with 8 row x 6 column

If any 1 row among 8 rows is optionally selected and set to high and the rest set to output low, it will be inverted through ULN2803. the column state can be read. The direction of U11/U12 buffer (74HC244) should be determined P63 port of MCU. When it reads key, it is H,and when it writes LED it is L.

74HC244 has eight buffers inside and it is possible to control each four buffers. The control terminal is divided into two groups, 1G and 2G. 2G is used during key input and 1G is used during LED output. The output terminal which is not used is in tri-state, and does not affect each other. When common row is selected,it shows which key is pressed by reading the ports P20-P25, P27 of P10-P17 column.

To prevent malfunction of keys, key scan counter is set to 2, with the key scan timing 18msec minimum and 32msec maximum.

2-15.2.3.2 LED Matrix

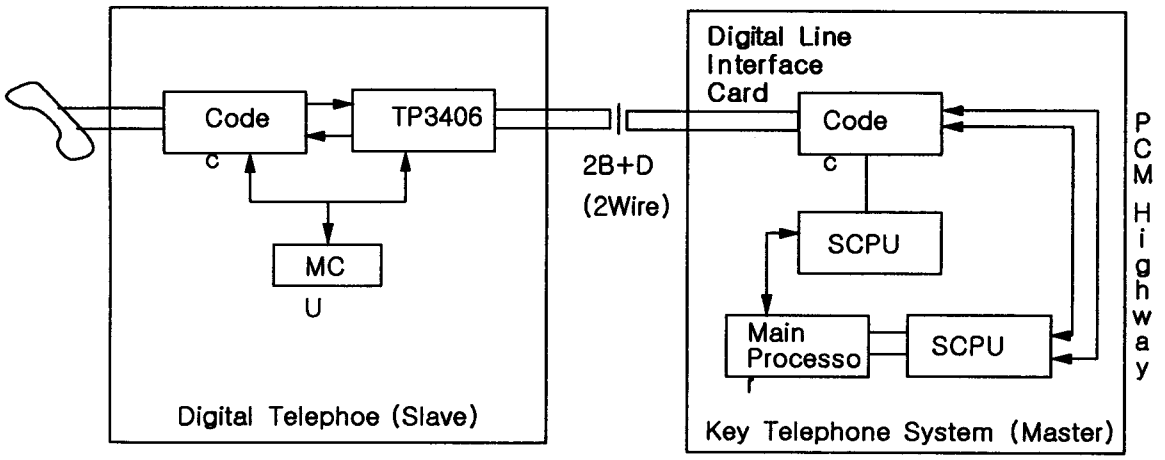
LED display control is operated with the dynamic mode, and is made up of 8 rows and 6 columns. If any 1 row among 8 rows is optionally selected and set to high and the reset set to output low, it will be inverted through ULN2803. After writing column output, LED turns on for 2ms at interval of every 16 ms. To turn on LED you want, you should decide the direction of U11/U12 buffer. The direction of the buffer U11/U12 is determined by P63 port of MCU and is low during LED writing.

2-15.2.3.3 Digital Line Interface

The digital keyphone exclusively used for the keyphone system connects master and slave with 2lines and uses 2B+D format to send/receive signals between master and slave

The AMI code sent from master in the burst mode is divided into B-ch and D-ch through the interface. The PCM data of B-ch is sent to codec and D-ch is used to communicate with UART and MCU.

2-15.2.3.4 Connection Diagram between Master and Slave



2-15.2.3.5 Specifications of TP3406

Item	Spec
Transmission	TCM(Time Compression Multiplexer)
Interface	2B+D
Transmission Speed	144kbps(B:64K,D:16K)
B Ch Speed	384kbps(Full Duplex Burst Mode : 2FRAME/250us)
Signalling Speed	16kbps
PLL Type	Digital PLL
Line Coding	AMI Code (Alternate Mark Inversion)
Coding Type	PCM Coding
Loop Range	RASL(TP3406V) : 800m(#24WG) for Keyphone DASL(TP3406V) : 1.8km(#24WG) for PABX
Line Impedance	100 ohm
Loop Resistance	180 ohm/km
Input Clock	2.048MHz
Master/Slave	M/S
Pakage	20P DIP,29P PLCC : RASL,DASL Pin to Pin
Power	+5V
Power Feeding	Line Power Feeding

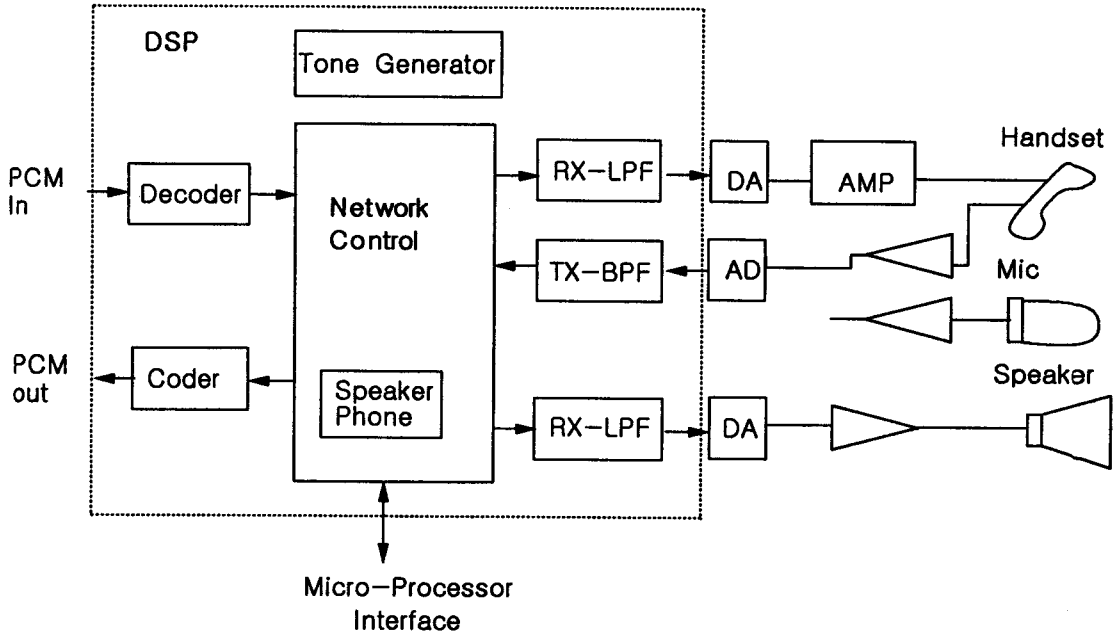
2-15.2.4 High Feature CoDec

2-15.2.4.1 High Feature

TC35320 is used for this feature. TC35320 is designed to be used with TC335321 (Data transmission LSI). It features as follows:

- Enable to control the levels of TX,RX,and side tone with software program
- Built-in speakerphone. Gain control with software program is allowed.
- Single Power Supply
- Beep tone source equipped. Adjustable level with software program
- Can generate various rings by mixing up with 5 frequencies.
- u-law or A-law is selectable
- Allowable to interface with MPU by serial and parallel.

2-15.2.4.2 TC35320 Block Diagram



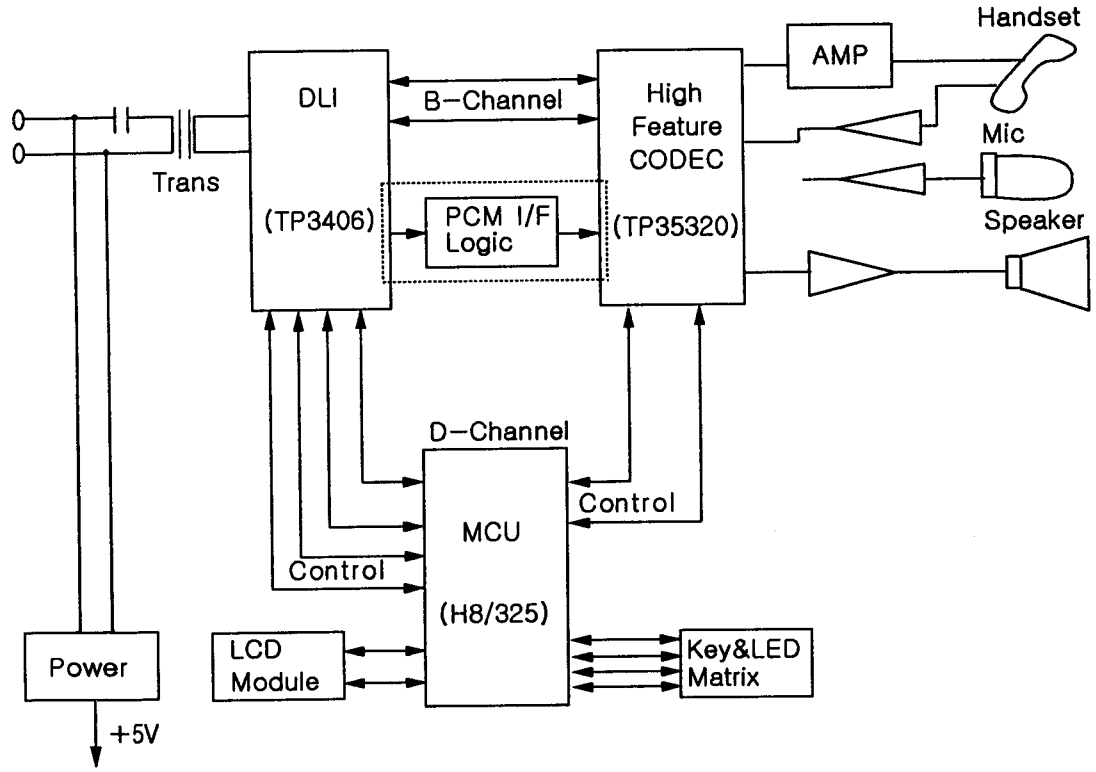
2-15.2.4.3 Specifications

Item	Symbol	Condition	Rating	Unit
Supply Voltage Input Voltage	VDD VID		4.75 to 5.25 0 to VDD	V
Clock Dviation	⊿fCLK	12.288 MHz	−100 to+100	PPM
Operation Temperature Storage Temperature Soldering Temperature	Ta Tstg Tsol		−10 to 70 −55 to 150 260	℃
Current Consumption Digital Current Consumption Analog Current Consumption	IDD ISSD ISSA	VDD=5V	52 to 65 40 12	mA

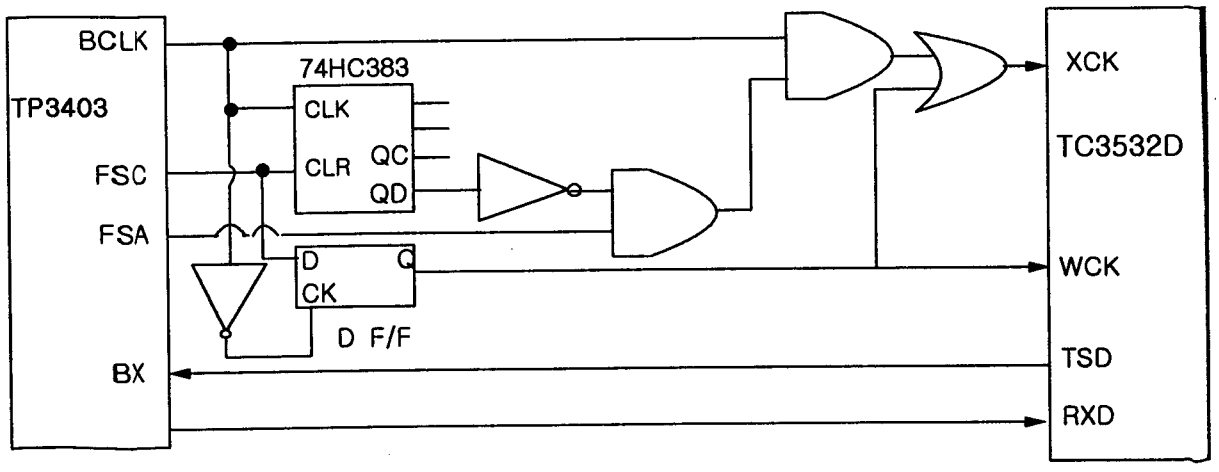
2-15.2.5 PCM Interface

The PCM In/Out clock must be 2.048MHz which is the master clock. Data is transmitted from RISING of time BCLK at TP3406, and received to FALLING time of XCK at TC35320F.
WCK inverted to BCLK and is fed to CK of D-F/F.

2-15.2.5.1 Block Diagram



2-15.2.5.2 PCM Interface Block Diagram



2-15.2.6 Handset Microphone

Dynamic unit is used for a handset in a digital phone. OP amp LM359 is provided for TX gain (50). The reference voltage of OP amp is 2.5V. The output of TC35320F is used for Handset RX, Switching diode is added to the terminal of TX and RX to protect high feature codeC from ESD. OP amp is also used for the microphone input, which amplifies the microphone output level.

2-15.2.7 Tone & Ring

2-15.2.7.1 **Beep Tone**

Beep tone is generated at TC35320F and is selected from 1kHz. Default is 1kHZ. Beep tone is out from handset or speaker. The levels are adjustable with software programming.

2-15.2.7.2 **Ring Tone**

Ring tone is selected from 5 kinds of single frequency source (300,400,600,800,1 kHz). It is generated by frequency modulation with 2 of them or amplitude modulation using software control. Ring level is adjustable when the unit rings or with the volume Up/Down keys.

2-15.2.7.3 Amp

External amp circuit activates the speaker output port in high feature codec.

MC34119 is used for the low power audio amplifier circuit and it has an advantage to gain stable output at the low.

2-15.2.8 Power CKT Part

The power used in a digital phone is single 5V which is converted from -56VDC through the DLI port of main system. Bridge diode is used to stabilize power irrespective of the polarity. The 5V is divided into +5A (analog +5V) and +5D (digital +5V) to be used.

2-16 KDB-D B'd

KDB (Keyset Daughter B'd) is an option b'd which uses 2B+1D, the basic form of digital phone, and is an additional interface device.

There are two kinds of board; KDB-DLI and KDB-SLI. KDB-DLI can be equipped into a digital key phone, and KDB-SLI can be equipped into a single line telephone.

Two highway channel is allocated at the digital phone user's port to use 2B+D.

If 2B is given to the digital phone, B1 and B2 can be used respectively within a predetermined distance because FSA, FSB, BX, BR, and BCLK can not used externally. KDB can solve the problem by connecting digital phone to the modular jack on the KDB.

To operate, the interface IC should be set to master mode and digital phone should be set to slave mode.

The MCU in the digital phone controls digital phone and all interface ICs in the KDB. SIO-1 and SIO-2 control the D-channel. The interface IC has B1 and B2 channel which are controlled by FSA and FSB respectively.

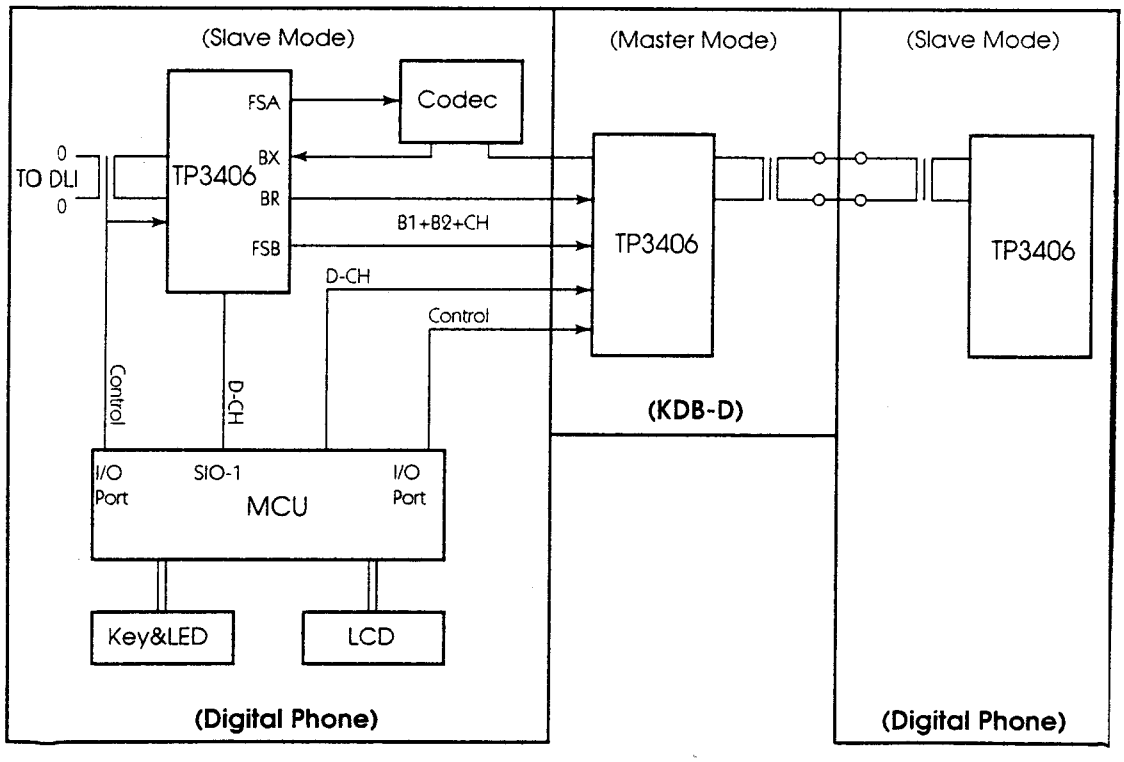
To divide B1 and B2, 3-state buffer is used, which is controlled by FSA and FSB.

Short frame sync FSC is used and BCLK in the interface-2 IC is commonly used.

The interface-2 IC is to relay the PCM signal from B2 channel and retransmits the D-channel data to interface-2 IC through SIO-2 from SIO-1.

To manage the system control, SIM (serial interface module) will be used.

Connection Diagram between Digital phone and KDB



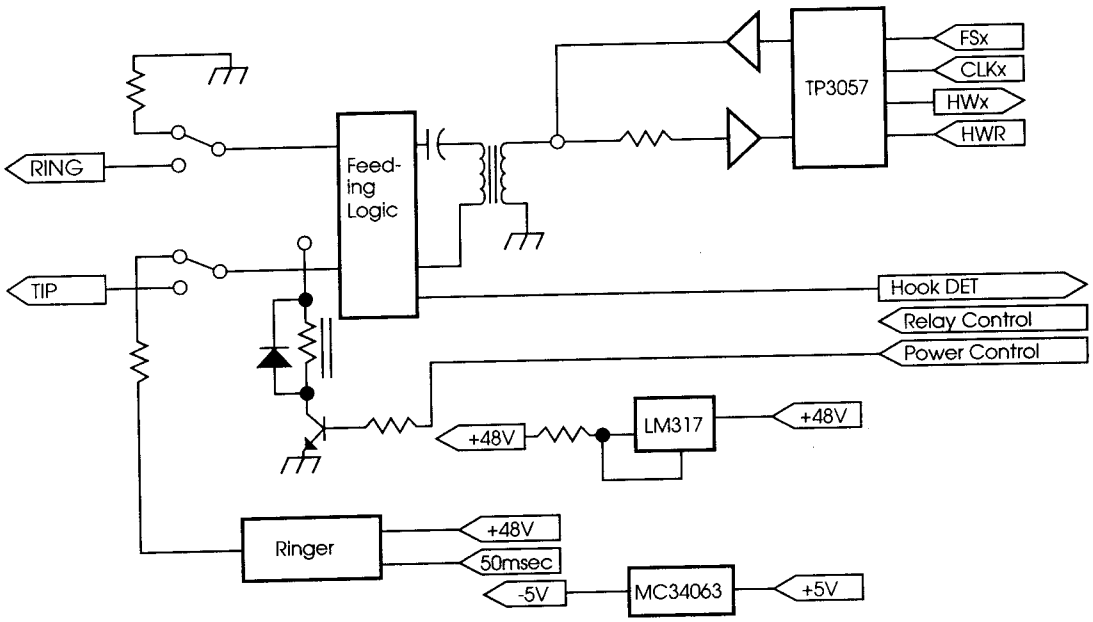
2-17 KDB-S B'd

2-17-1 General

Regular telephone interface KDB-SLI performs 2B voice data conversion using code TP3057. KDB-SLI supports 1 line regular telephone interface and composed of codeC (D/A0, -5V power, regular phone feeding (+56V), and ringer. DTMF detection is achieved by DSP in KSU engine.

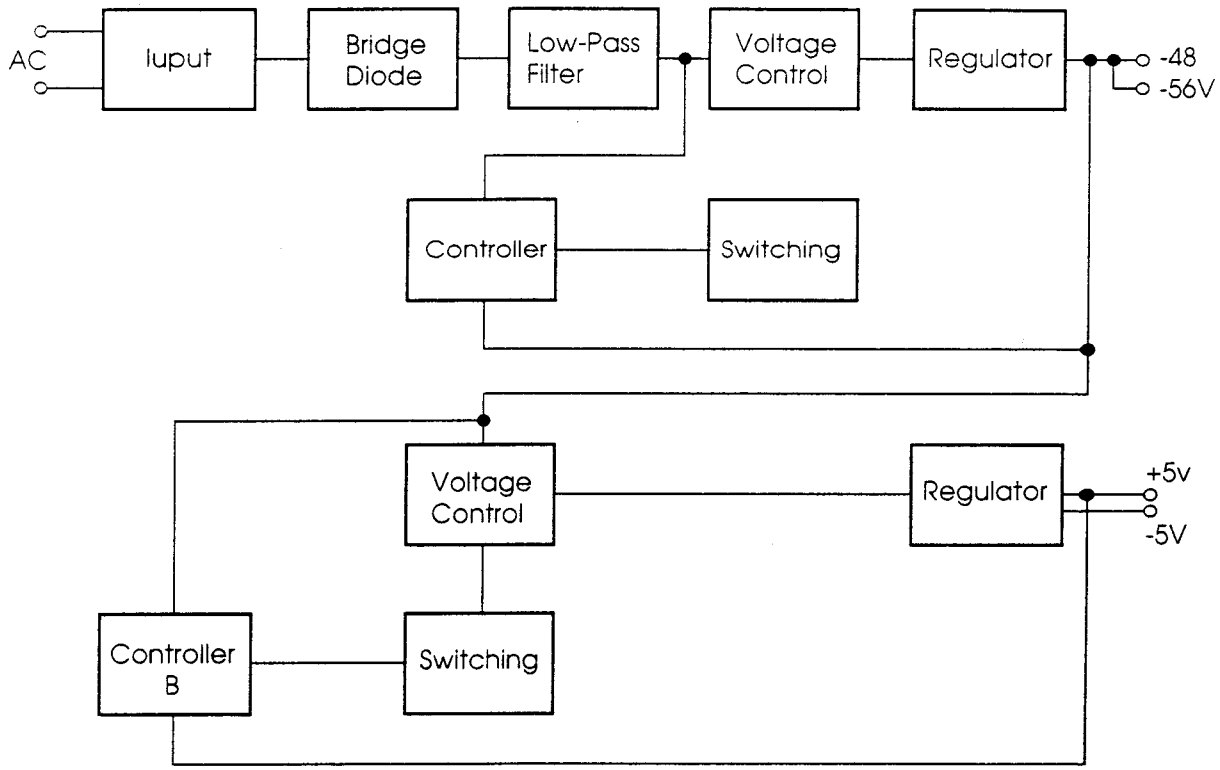
Connection to digital phone is made with 2 line through DLI port. A regular phone can be connected to the digital phone by using the optional KDB-SLI.

2-17-2 Block Diagram



2-18 Power Supply

2-18-1 Block Diagram



Chapter 3

IC Description & Timing

3-1 MC68EC000 ---------- 3-1

3-2 STL 7065 ---------- 3-6

3-3 STL 7053 (TMC) ---------- 3-10

3-4 STL 7052 (DMC) ---------- 3-12

3-5 SBS 9401 ---------- 3-17

3-6 CODEC (TP3054) ---------- 3-18

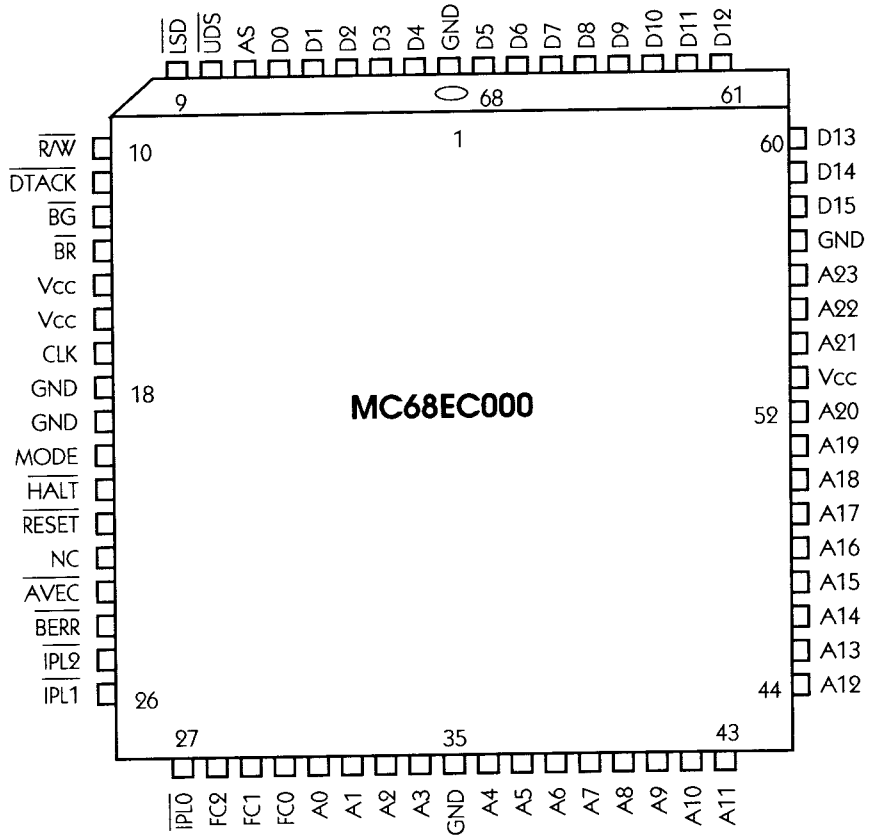
3-7 Timing Chart ---------- 3-20

3-1 MC68EC000

3-1-1 General

The MC68EC000 of Motolora is used as processor for DCS compact main system. MC68E000 is an economic version of MC68EC000. The MC68EC000 has supported by a statically selectable 8-bit or 16-bit data bus. This architecture provides a fast and efficient processing device that can satisfy the requirements of sophisticated applications based on high-level languages.

3-1-2 Pin Map



Autovector ($\overline{AVEC}$)

This input indicates that the controller should use automatic vectoring for an interrupt during an interrupt acknowledge cycle.

Note : $\overline{AVCE}$ should be asserted only during an interrupt acknowledge cycle, or erratic controller operation could occur.

System Control

The four system control inputs are used to reset or halt the controller, to indicate to the controller that bus errors have occurred, and to switch from 8 bit to 16 bit operating mode.

Reset ($\overline{RESET}$)

The bidirectional signal resets (starts a system initialization sequence) the MC68EC000 in response to an external $\overline{RESET}$ signal. An internally generated reset (result of a RESET instruction) causes all external devices to be reset, and the internal state of the controller is not affected. A total system reset (controller and external devices) is the result of external $\overline{HALT}$ and $\overline{RESET}$ signals applied simultaneously.

Halt ($\overline{HALT}$)

When this bidirectional line is driven by an external device, it causes the controller to stop at the completion of the current bus cycle. When the controller has been halted using this input, all control signals are inactive, and all three-state lines are put in their high-impedance state. When the controller stops executing instructions, such as in a double bus fault condition, the $\overline{HALT}$ line is driven by the controller to indicate to external devices that the controller has stopped.

Bus Error ($\overline{BERR}$)

This input informs the controller that there is a problem with the bus cycle currently being executed. Problems may be a result of:

- Nonresponding devices,
- Interrupt vector number acquisition failure,
- Illegal access request as determined by a memory management unit, or
- Other application-dependent errors.

The bus error signal interacts with the halt signal to determine if the current bus cycle should be reexecuted or if exception processing should be performed.

Mode (MODE)

The MODE input selects between the 8 bit and 16 bit operating modes. If this input is grounded at reset, the controller will come out of reset in the 8 bit mode. If this input is tied high or floating at reset, the controller will come out of reset in the 16 bit mode. This input should be changed only at reset and must be stable two clocks after $\overline{RESET}$ is negated. Changing this input during normal operation may produce unpredictable results.

Processor Status (FC2, FC1, FC0)

These function code outputs indicate the state (user or supervisor) and the cycle type currently being executed. The information indicated by the function code outputs is valid whenever address strobe (AS) is active.

Function Code Outputs

Function Code Output			Cycle Time
FC2	FC1	FC0	
0	0	0	(Undefined, Reserved)
0	0	1	User Data
0	1	0	User Program
0	1	1	(Undefined, Reserved)
1	0	0	(Undefined, Reserved)
1	0	1	Supervisor Data
1	1	0	Supervisor Program
1	1	1	Interrupt Acknowledge

Clock (CLK)

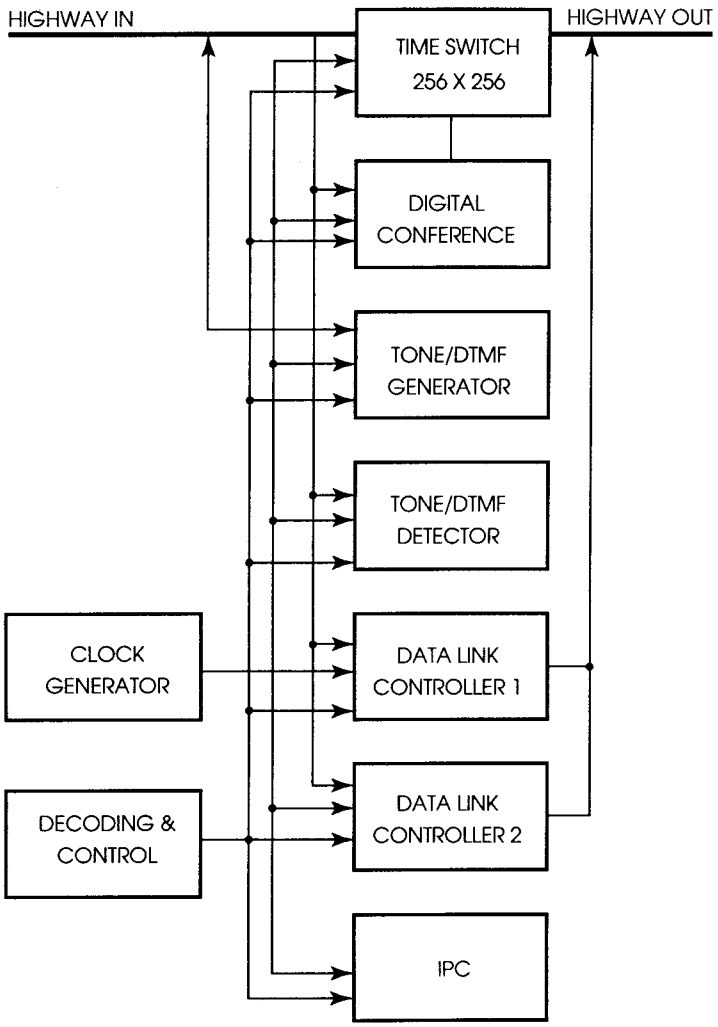
The clock input is a TTL-compatible signal that is internally buffered for development of the internal clock needed by the controller. The clock input should not be gated off at any time, and the clock signal must conform of minimum and maximum pulse-width times. The clock is a constant-frequency square wave with no stretching or shaping techniques required.

3-2 STL7065

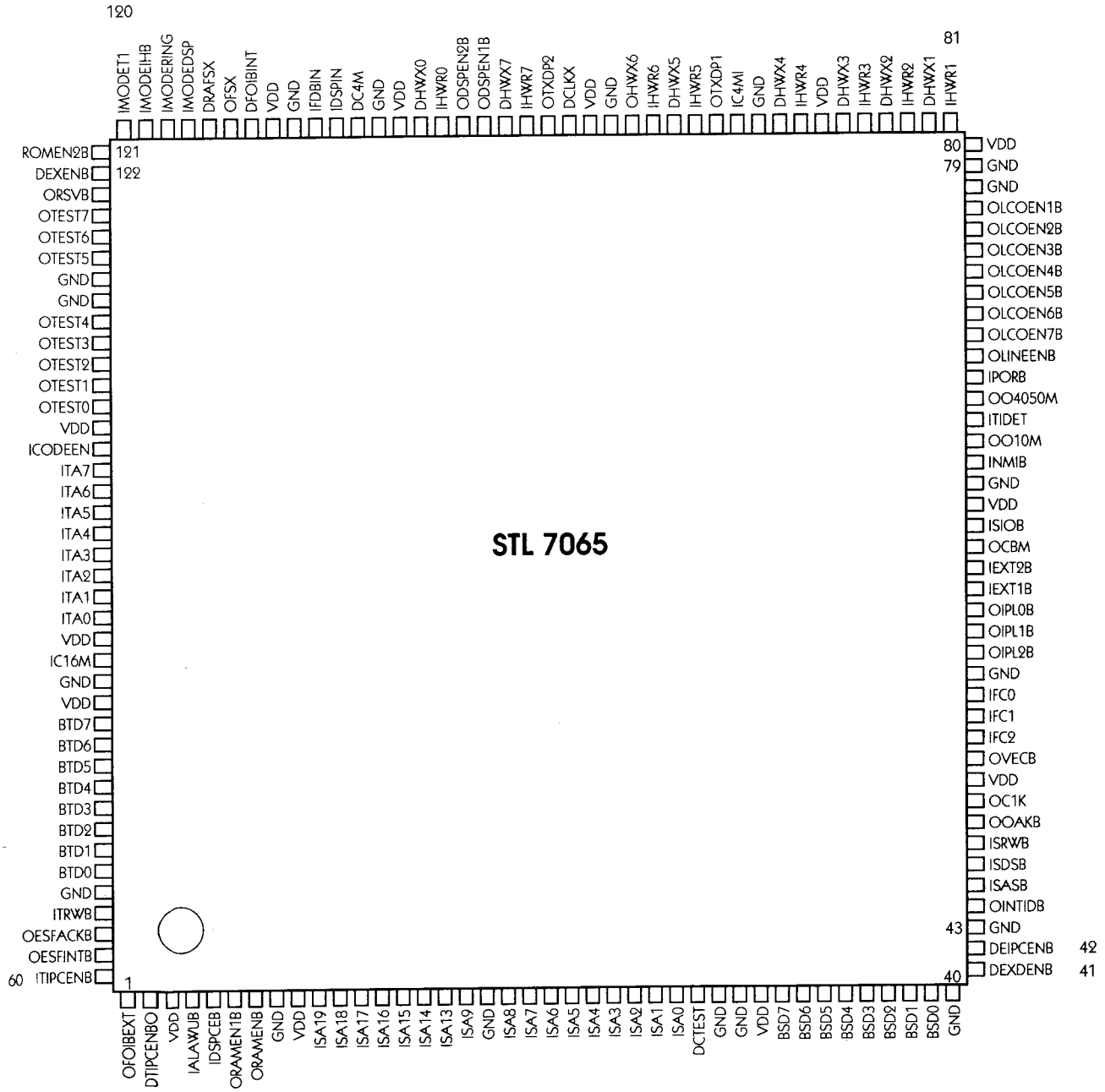
3-2-1 General

STL7065 is ASIC which performs various functions. It controls main system. Included are Time Switch Digital Conference, Multi-Tone/DTMF Detector, Data Link Controller IPC, Decoding Logic & Interrupt Support Logic.

3-2-2 Block Diagram



3-2-3 Pin Map


STL 7065
120
81
121
122
80
79
43
42
41
40
60
1
IMODET1
IMODEIHB
IMODERING
IMODEDSP
DRAFSX
OFSX
DFOIBINT
VDD
GND
IFDBIN
IDSPIN
DC4M
GND
VDD
DHWX0
IHWR0
ODSPEN2B
ODSPEN1B
DHWX7
IHWR7
OTXDP2
DCLKX
VDD
GND
OHWX6
IHWR6
DHWX5
IHWR5
OTXDP1
IC4MI
GND
DHWX4
IHWR4
VDD
DHWX3
IHWR3
DHWX2
IHWR2
DHWX1
IHWR1
ROMEN2B
DEXENB
ORSVB
OTEST7
OTEST6
OTEST5
GND
GND
OTEST4
OTEST3
OTEST2
OTEST1
OTEST0
VDD
ICODEEN
ITA7
ITA6
ITA5
ITA4
ITA3
ITA2
ITA1
ITA0
VDD
IC16M
GND
VDD
BTD7
BTD6
BTD5
BTD4
BTD3
BTD2
BTD1
BTD0
GND
ITRWB
OESFACKB
OESFINTB
ITIPCENB
VDD
VDD
GND
VDD
OLCOEN1B
OLCOEN2B
OLCOEN3B
OLCOEN4B
OLCOEN5B
OLCOEN6B
OLCOEN7B
OLINEENB
IPORB
OO4050M
ITIDET
OO10M
INMIB
GND
VDD
ISIOB
OCBM
IEXT2B
IEXT1B
OIPL0B
OIPL1B
OIPL2B
GND
IFC0
IFC1
IFC2
OVECB
VDD
OC1K
OOAKB
ISRWB
ISDSB
ISASB
OINTIDB
GND
DEIPCENB
DEXDENB
OFOIBEXT
DTIPCENBO
VDD
IALAWUB
IDSPCEB
ORAMEN1B
ORAMENB
GND
VDD
ISA19
ISA18
ISA17
ISA16
ISA15
ISA14
ISA13
ISA9
GND
ISA8
ISA7
ISA6
ISA5
ISA4
ISA3
ISA2
ISA1
ISA0
DCTEST
GND
GND
VDD
BSD7
BSD6
BSD5
BSD4
BSD3
BSD2
BSD1
BSD0
GND

3-2-4 Feature Description

Time Switch

- Performs switching on 8 highways 256 channels.
- Switching configuration is achieved by writing channel address into the switching address field(low byte) in control memory.
- It is possible to control each channel's high impedance state for 8 output highway. If high byte D3 bit in the control memory is set to High, the output highway become high impedance state during the selected channel time slot.
- 4 steps gain control (+1.94dB, 0dB, -2.5dB, -6dB) adjustable with D0 and D1.

Digital Conference

- Provides 8 way group conference.
- Up to 8 of 256 channels can be assigned to conference member.
- Conference member assignment is achieved by writing the group ID to the relevant conference group field (High byte D6, D5, D4) of the selected channel control memory.
- If the limit of PCM input signal is under the specified threshold, the PCM signal will be taken as noise and turned to 0. Threshold to remove noise is assigned with D1/D0 of the control register that exist in an individual conference group.
- Overflow is protected by gain control.
- Setting gain control mode is the same as setting time switch.
- If overflow occurs during conference, external pin(OCHOUF) detects overflow and records it at overflow status register.
- A specific conference group member channel output can be masked at conference group control register D2 bit (D3 bit). When the bit is 1, 0 is output from the relevant channel.

S/W Control Procedure

Power on Reset

All output highway are forced high impedance status by setting the highway output control register.

Control Memory Initialize

It is necessary to be initialized by CPU, because the control memory is not initialized with Reset feature. Especially, high byte of conference group must be initialized to be no conference (111 or 110).

CML (Address 40200H~402FFH) : Channel address write
CMH (Address 40300H~403FFH) : 70H write

Highway Output Control Register Clear

Output highway is enabled by writing 00H.

Connection Data Write

- Write each channel's address into the control memory low byte of two channels that is connected. For example, if you want to connect 0 highway 3 channel address 03H and 3 highway 7 channel address 67H together, write 67H into 203H address and 03H into 267H address to connect both of them.
- Write a proper value into the control memory high byte according to the connected channel attributes.

Conference Configuration

- Assign the noise reduction mode by setting the conference channel mask bit of the relevant group conference control register to ON.
- Write its own channel address to the control memory low byte of conference member.
- Write conference group / gain control mode into the control memory high byte.
- After 2 frames, overflow can be checked during conference. Adjust the gain control mode of control memory high byte if necessary.

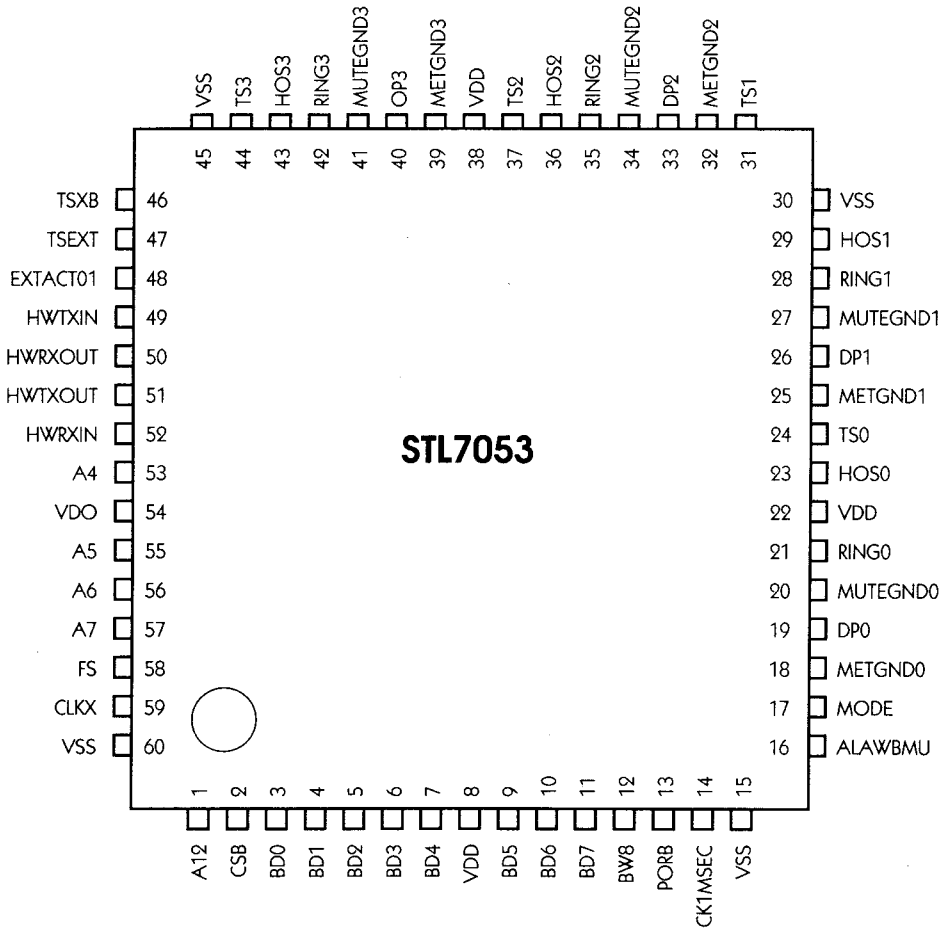
3-3 STL 7053 (TMC)

3-3-1 General

Controller IC STL7053(TMC:Trunk Module Controller) consists of Dial pulse generator, Channel assign generator, Relay control, and the other logics.

The dial pulse can be selected between 50msec and 100msec cycles, and the channel assign generator section supports up to 5 ports and each channel assign signal has timing which supports CODEC (specially, TP3057).

3-3-2 Pin Map



3-3-3 Function Module Map

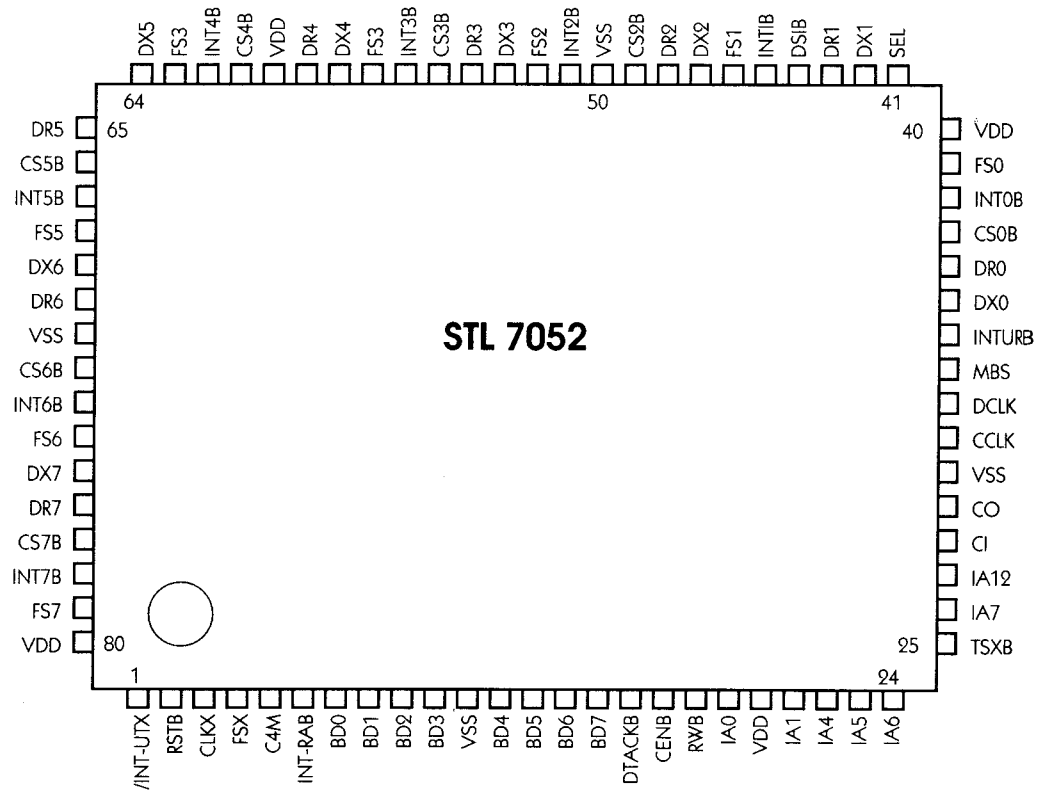
Mode	Address					Read Data					Write Data				
	A12	A7	A6	A5	A4	D7~D4	D3	D2	D1	D0	D7	D6	D5	D4	D3~D0
0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 1 1	0 1 0 1	X	METER or GND	X	RING	HOS	X	MUTE or GND RLY	Loop #2	Loop #1	Dial Number (1-A)
1	0 0 0 0	0 0 0 0	1 1 1 1	0 0 1 1	0 1 0 1	X									
0	1 1 1 1	0 0 0 0	0 0 0 0	0 0 1 1	0 1 0 1	0 0 0 0 1 (Card ID) X All 0's					Enable	Gain Control		Time Slot Assign	
1	1 1 1 1	0 0 0 0	1 1 1 1	0 0 1 1	0 1 0 1	X All 0's									
0	0 0 0 0	1 1 1 1	0 0 0 0	0 0 1 1	0 1 0 1	Dial Pulse Read					D7	EXTAT01		D0	100msec/50msecB Dial Pulse Write
1	0 0 0 0	1 1 1 1	1 1 1 1	0 0 1 1	0 1 0 1	Dial Pulse Read					D7	EXTAT01		D0	100msec/50msecB Dial Pulse Write
0	1	1	0	0	0	x					Enable	X			Ext Time Slot
1	1	1	1	0	0	x						X			Ext Time Slot

3-4 STL 7052 (DMC)

3-4-1 General

DLI module controller STL7052 performs signalling control, channel assigning, and DASL controller between the main system and digital telephone.

3-4-2 Pin Map



3-4-3 Feature Description

Chip

Enable & Expansion

The chip expansion is determined by pin 41(Mode) and pin 26(Address bit A7). Up to 2 chips can be used for one board only when the MODE pin is as follows.

Address Pin A7(#26)	MODE Pin A7(#41)	CSB(Active Low) DLIENB(#17)	Comments
LOW	LOW	LOW	Chip #0 Enable
HIGH	HIGH	HIGH	Chip #1 Enable

Note : The DLIENB is general chip select signal

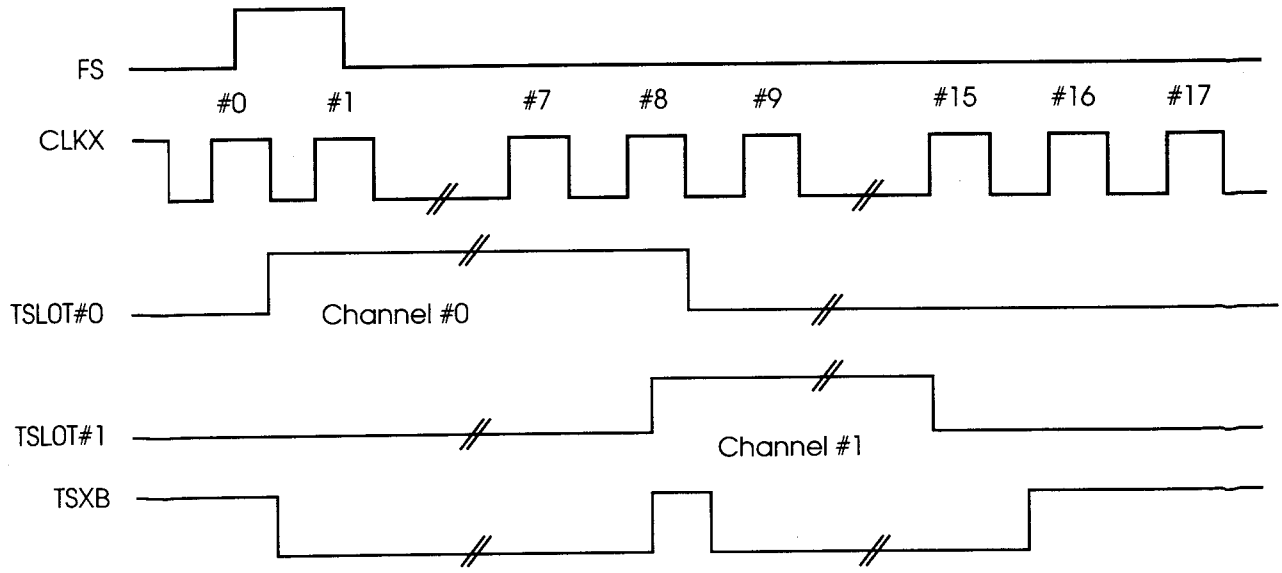
TSAC

The TSAC generates the time slot and TSXB by using CLKX with tuning to FS (Frame Synch).

TSAC module has a maximum of 8 points TSAC and each point can individually assign channel. Enable TSAC occurs in accordance with D7 bit of each port. If means that only when D7 is assigned to high, FSx(or TSLOT) and TxSB are to be generated.

Example to assign channel 0 to port 0 and assign channel 1 to port 1 is provided below.

Port #0 (A12=high, A6~A4, A1~A0 = low) → 0 x 80H
Port #1 (A12=high, A6, A5, A1, A0 = low) → 0 x 80H



UART

UART performs data signalling. It transmits the values written into a register by the processor, in accordance with the transmission speed as the serial data stream of TxD. It converts RxD (serial input data stream) to parallel and stores into a data buffer to be read by the processor.
The main purpose is to be signalling by forming the D-ch data stream with the interface with DASL chip interface.
The function and specification for DMC(STL7052) is designed as follows.

Number of Port

8 ports can be used individually (except mode register).

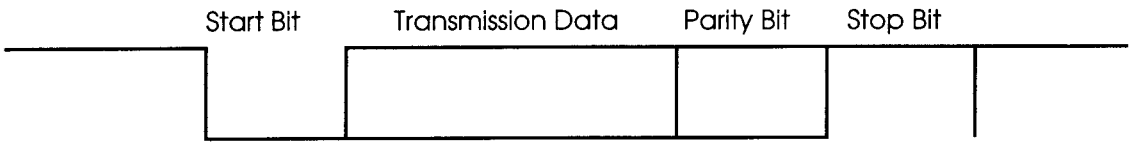
Transmission Speed : 16 kbps, 8 kbps, 4 kbps, 2 kbps

Because 8 ports have individual register, all the TX speeds are different.
The UART mode register speed is determined by programmable value, setting and also the processing clock is X16 mode by using 16 times over sampling.

Tx & Rx Data Buffer : 3 byte

Because the data buffer for Tx/Rx is 3 bytes it should be taken with attention to underrun and overrun during data writing and reading.

Transmission Data Format



Start Bit (1Bit : Low) + Transmission Data (8Bit) + Parity Bit (Even) + Stop Bit (1Bit : High)

UART Interrupt Source : RxDONE, TxEMPTY

Masking is determined with Interrupt Masking Register. The default is masked condition (ie, interrupt is not occurred, all "0"). To use interrupt, interrupt register should be set to high.
The interrupts are divided into RX and TX interrupt. RX interrupt can read the condition of interrupt source and the RX interrupt is generated with the pin of INT1B.
UART TX interrupt is shown in the memory map. UART TX interrupt is generated at the pin of INT2B in the same method.

UART Status Register

When status occurs, the register is active high. The bit assign order is as follows.
D4 : Parity Error (High if error occurs after checking even parity)
D3 : Tx Full (High if 3 byte exist in Tx buffer)
D2 : Tx Empty (High if the data to be transmitted does not exist in Tx buffer.
D1 : Rx Full (High if 3 byte exist in Tx buffer)
D0 : Rx Empty (If the data received does not exist in Rx buffer)

UART Software Reset

UART module can be reset by software. Because the default of S/W reset is 0 (reset), S/W reset should be released at the time of mode setting (ie, change to high)

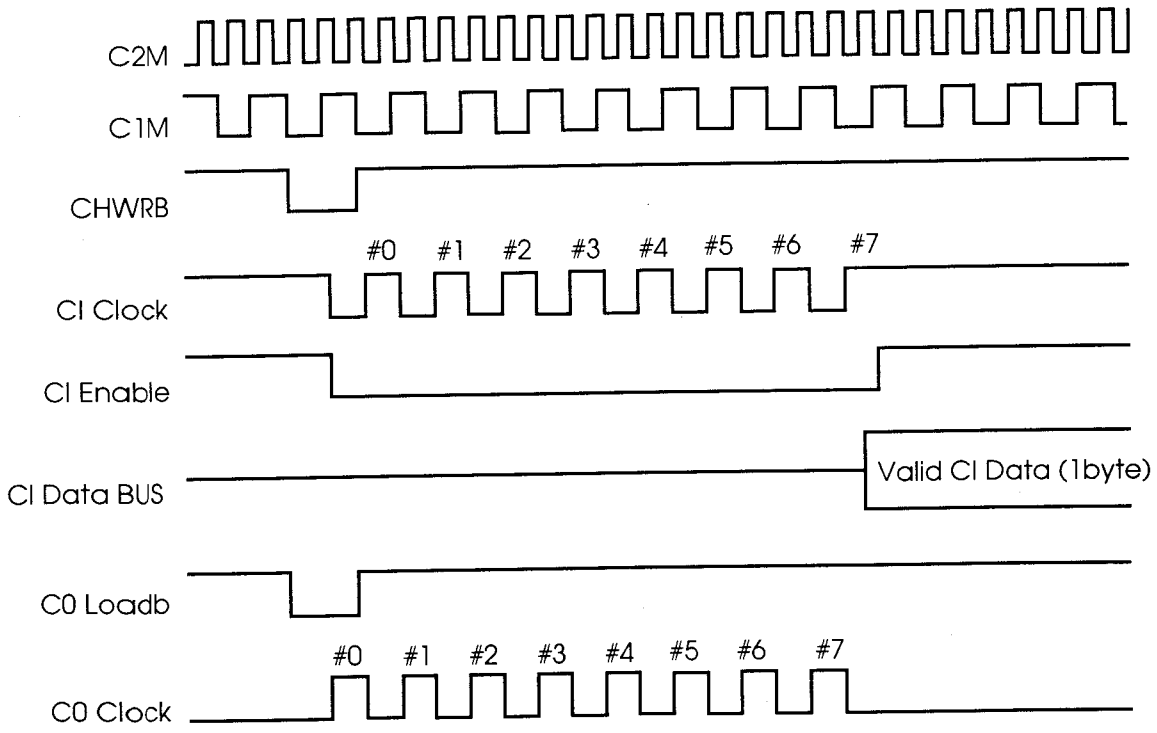
Micro-Channel Control

This module is used for the microwire control interface between DASL and processor and to control DASL. Enable of 8 DASLs is to be determined by micro channel register. CI and CO are used to control the Microwire. The parallel output of 8 bits generated in accordance with tunning to a serial input of CI, and the serial output of C0 generated in accordance with tunnng pararrel data make the interface between DASL and Processor to be realized.

DASL Enable Pin (Active Low)

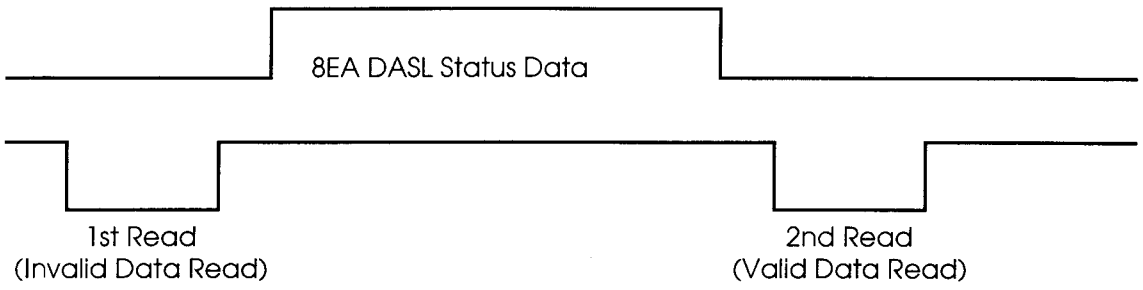
After setting the relevant bits in advance, if micro channel is accessed, it can be used with interconnecting to the chip select of DASL by the pins of CSOUT #0-CSOUT#7.
(ie, because the default value of CSOUT is High, the 8 ports is enabled.)

CO and CI Signal Timing Diagram



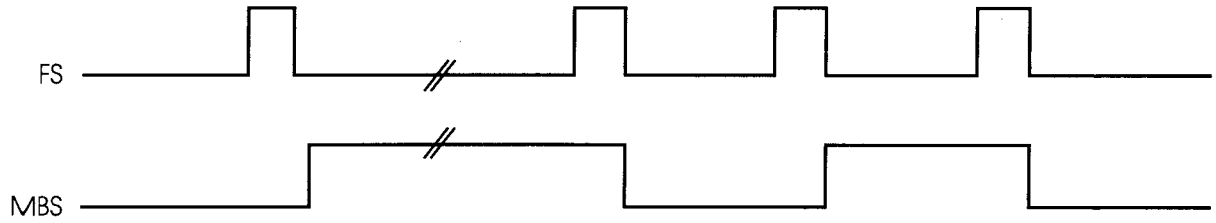
DTACKB Signal

When DTACK signal Read B becomes High, DTACKB stays at High. Then it goes low after receiving 8 DASL status information data, and the processor can be read.
(ie, after twice reading, the first read byte is abandoned and then the latter read byte is recognized as a valid one.)



D16K, CCLK MBS Signal

D16K, CCLK, MBS signal is for DRASL. D16K is the 16KHz for serial shift clock of D-ch data Dx/Dr (only when DASL is in Master mode).
CCLK is the clock for the Microwire control channel of DASL.
MBS (Master Burst Synch) is the same as 4kHz clock and the timing diagram is as follows:



Interrupt Signal

There are 3 interrupts in STL7052(DMC) and for all of them, the masking can be done.

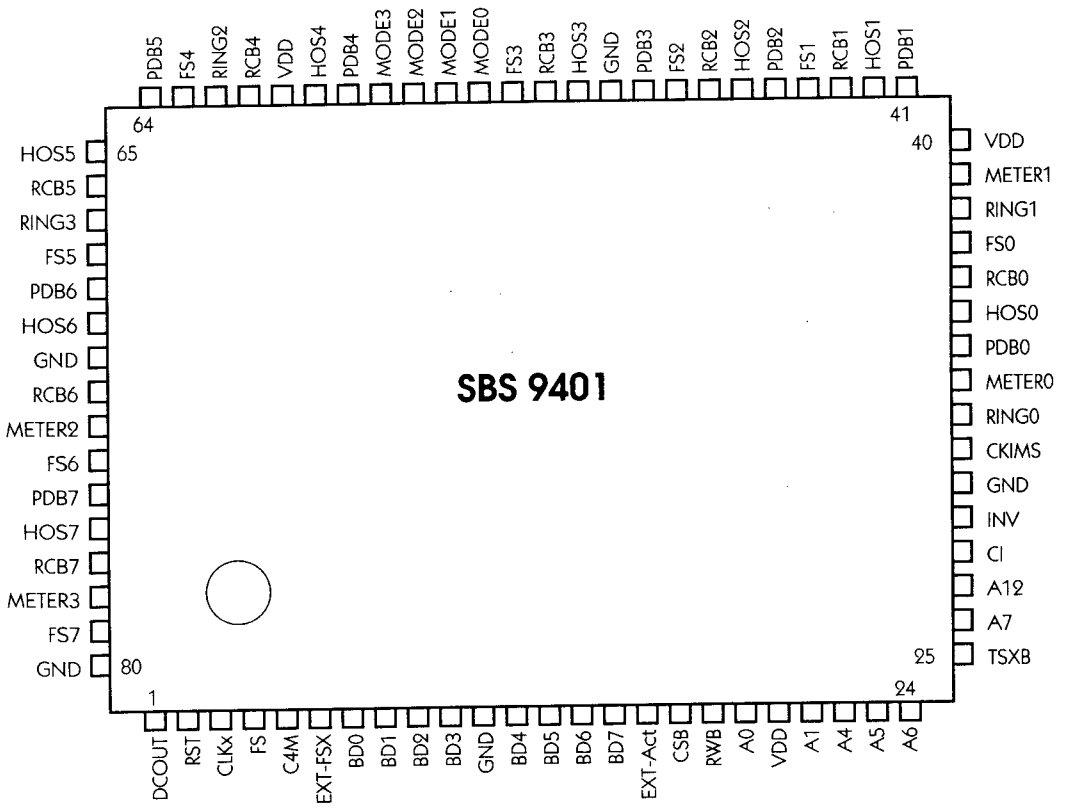
- Interrupt 1 (INT1B) : for UART RXDONE interrupt 8 ports
- Interrupt 2 (INT2B) : for UART TXEMPTY interrupt 8 ports
- Interrupt 3 (INT3B) : for DINT#7~DINT#0 input from DASL

3-5 SBS 9401

3-5-1 Features

- 8 ports TSAC(Time Slot Assignment Control)
- 4 ports UART(Universal Asynchronous Receiver & Transmitter)
- Signalling with 4 ports of digital telephone by controlling 4 ports RASL(Reduced Digital Adaptor for Subscriber Loops) through microchannel control.
- 4 ports dial pulse generating.
- Designed to be used for 4 trunk type, 204 DLI type, 8 SLT type or 204 SLT type.
- For DSC compact system, 8 SLT type is used. TASL timing is the same as TMC's.

3-5-2 Pin Map



3-5-3 Function Module Map

(Mode Pin : M3="0" & M2~M0="1")

Address							Read Data								Write Data								Remark
A12	A7	A6	A5	A4	A1	A0	D7	D6	D5	D4	D3	D2	D1	D0	D7	D6	D5	D4	D3	D2	D1	D0	
0	0	0	0	0	X	X	X	X	X	X	X	X	X	$\overline{SHD}$ (8)	X	$\overline{PD}$ (8)	X	$\overline{RC}$ (8)	X	X	X	X	
0	0	0	0	1	X	X																	
0	0	0	1	0	X	X																	
0	0	0	1	1	X	X																	
0	0	1	0	0	X	X																	
0	0	1	0	1	X	X																	
0	0	1	1	0	X	X																	
0	0	1	1	1	X	X																	
0	1	0	0	0	X	X	Not Used								D0:EXT ACT Write								
0	1	0	1	1	X	X	Not Used								Not Used								No D.P
1	0	0	0	0	X	X	Card-ID Read(87/h)								Enable	X	X	Time Slot Assigment Control (0~31)					* Trunk Type Time Slot 8 Port
1	0	0	0	1	X	X																	
1	0	0	1	0	X	X	Not Used																
1	0	1	0	0	X	X																	
1	0	1	1	0	X	X																	
1	0	1	1	1	X	X																	
1	1	0	0	0	X	X	External Time Slot Read								Enable	X	X	EXT-FSX Assign					
1	1	1	0	0	0	0	Time Slot Port #0 Read								Not Used								
1	1	1	0	0	1	0	Time Slot Port #1 Read																
1	1	1	0	1	0	0	Time Slot Port #2 Read																
1	1	1	0	1	1	0	Time Slot Port #3 Read																
1	1	1	1	0	0	0	Time Slot Port #4 Read																
1	1	1	1	0	1	0	Time Slot Port #5 Read																
1	1	1	1	1	0	0	Time Slot Port #6 Read																
1	1	1	1	1	1	0	Time Slot Port #7 Read																
1	1	1	1	1	1	1	ASIC Test Address Map Read								ASIC Test Address Map								

3-6 CODEC(TP3057)

3-6-1 General

The TP3057 consists of μ-law and A-law monolithic PCM CODEC/filters utilizing the A/D and D/A conversion architecture and serial PCM interface.

The encode portion of each device consists of an input gain adjust amplifier, and active RC pre-filter which eliminates very high frequency noise prior to entering a switched-capacitor band-cass filter that rejects signals below 220Hz and above 3400Hz.

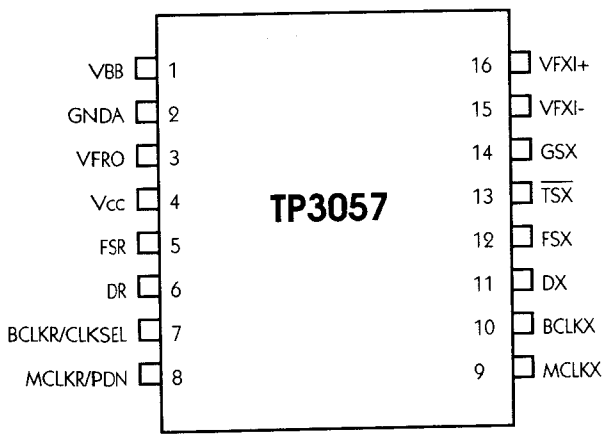
Also included are auto-zero circuitry and a companding coder which samples the filtered signal and encodes it in the companded μ-law or A-law code, a low-pass filter which corrects for the sin x/x response of the decoder output and rejects signals above 3400Hz followed by a single-ended power amplifier capable of driving low impedance loads.

The devices require two 1.536Hz, 1.544MHz or 2.048MHz transmit and receive master clocks, which may be asynchronous; transmit and receive bit clocks, which may vary from 64KHz to 2.048MHz: and transmit and receive frame sync pulses. The timing of the frame sync pulses and PCM data is compatible with both industry standard formats.

Complete CODEC and filtering system (COMBO) includes:

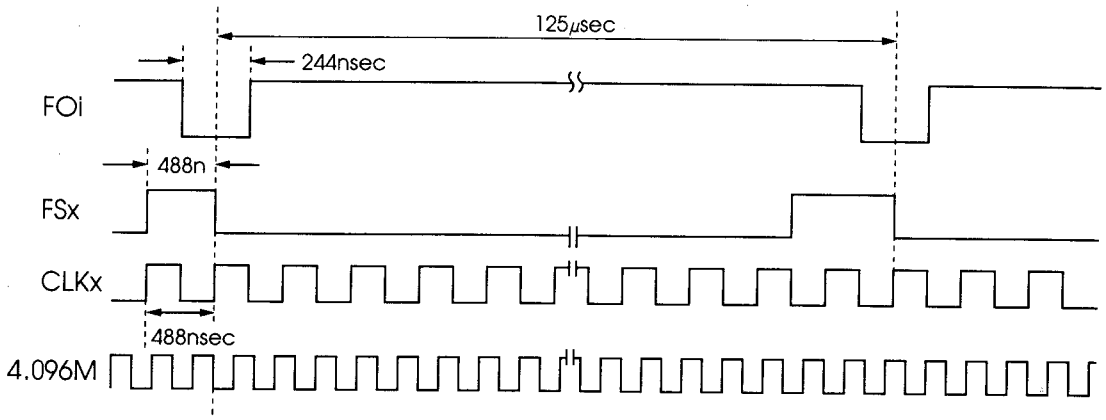
- Transmit high-pass and low-pass filtering
- Receive low-pass filter with sin x/x correction
- Active RC noise filters
- μ-law or A-law compatible COder and DECoder
- Internal precision voltage reference

3-6-2 Pin Map

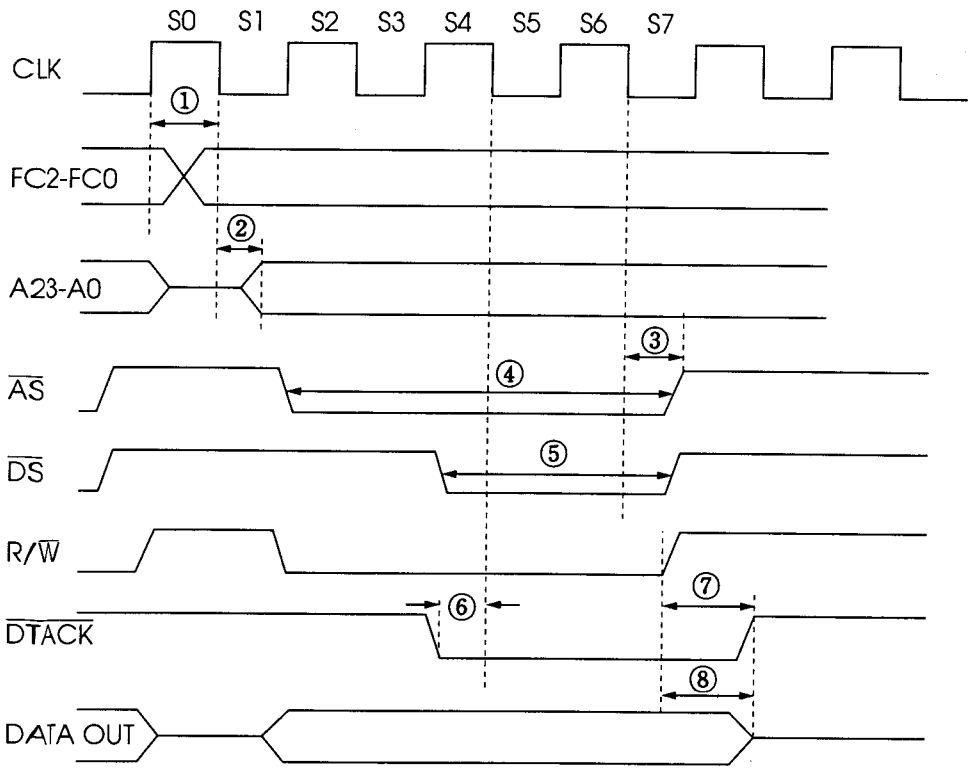


3-7 Timing Chart

CLK



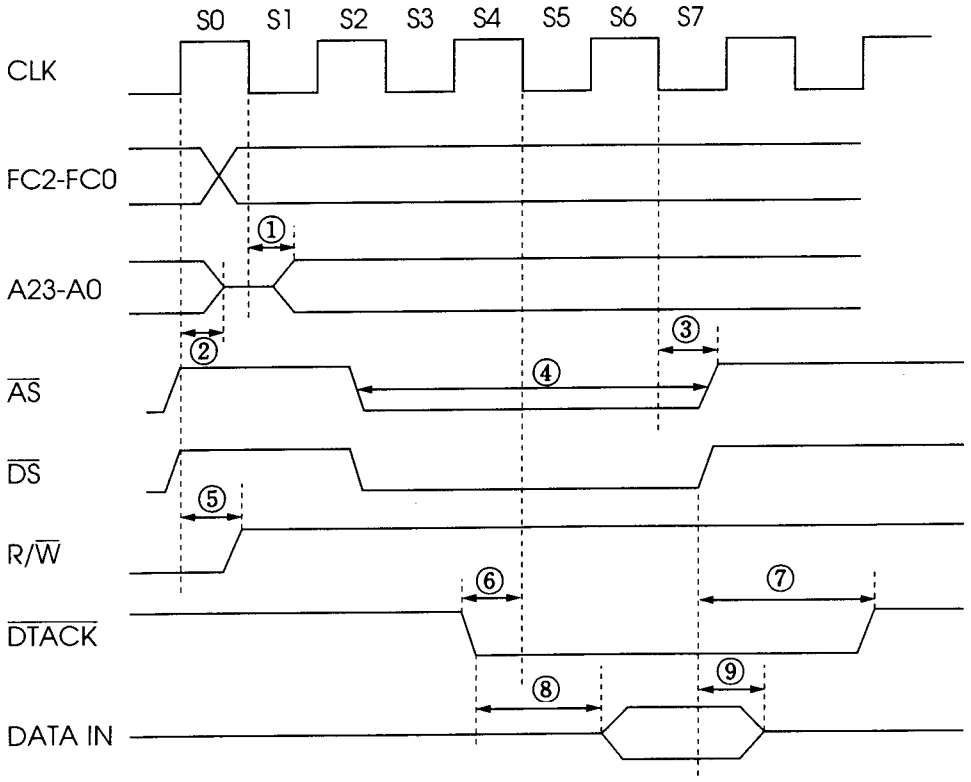
Processor



Write Cycle Timing

CLK-8MHz : (S_0+S_1=125nsec)

	min(ns)	max(ns)
①	—	35
②	—	35
③	3	35
④	270	—
⑤	140	—
⑥	5	—
⑦	0	110
⑧	40	—

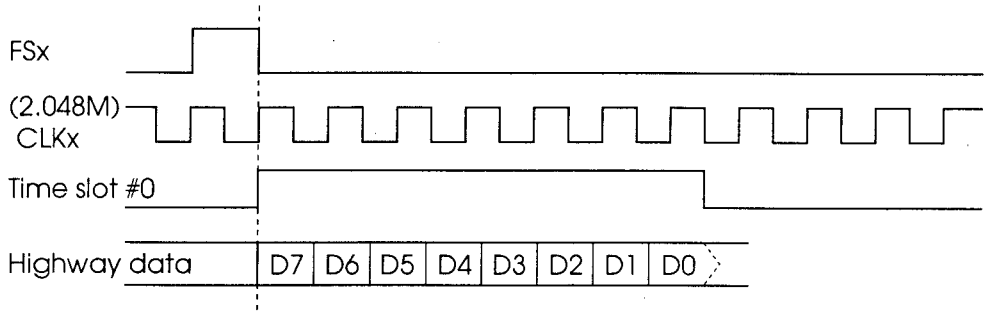


Read Cycle Timing

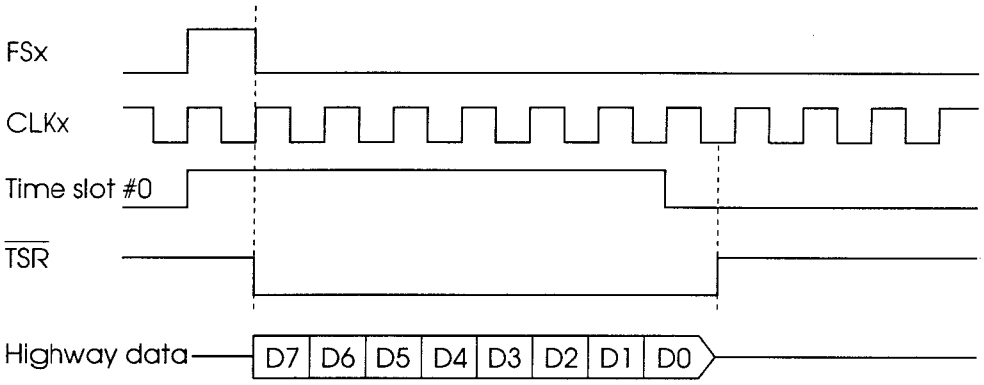
CLK-8MHz : (S_0+S_1=125nsec)

	min(ns)	max(ns)
①	—	35
②	—	35
③	3	35
④	270	—
⑤	0	35
⑥	5	—
⑦	0	110
⑧	—	90
⑨	0	—

TMC


FSx
(2.048M)
CLKx
Time slot #0
Highway data
D7
D6
D5
D4
D3
D2
D1
D0

DMC


FSx
CLKx
Time slot #0
$\overline{TSR}$
Highway data
D7
D6
D5
D4
D3
D2
D1
D0

Chapter 4

Digiphone Selftest & Troubleshooting

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4-1 Digiphone Selftest

1. Connect the digital keyset to DLI port and press # button before the digital keyset is reset.

2. LCD module is self-tested. All display messages available are displayed.

3. Press # button to enter the test mode.

Key & LED Test Mode

All LEDs are lit. If you press the corresponding buttons, the amber LEDs turn green and the red LEDs are off.

If you press number buttons including * and #, the color of DSS LEDs are changed to red from amber, and the red LEDs are turned off.

If you press the soft buttons, the LED color of DSS 13, 14, 19, and 20 buttons are changed.

Ring Test

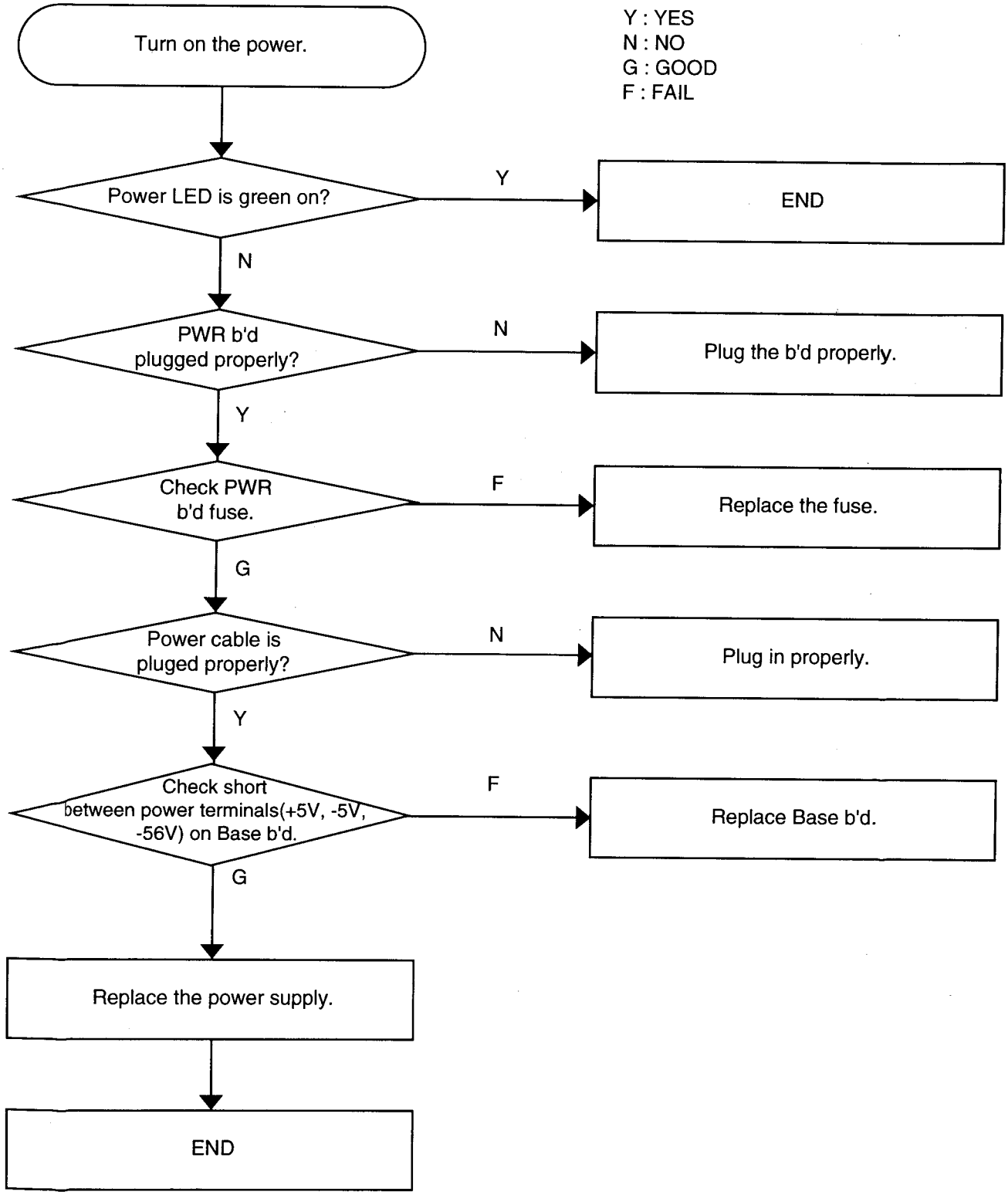
Each time you press * button, 8 kinds of ring are generated.

Transmission Test

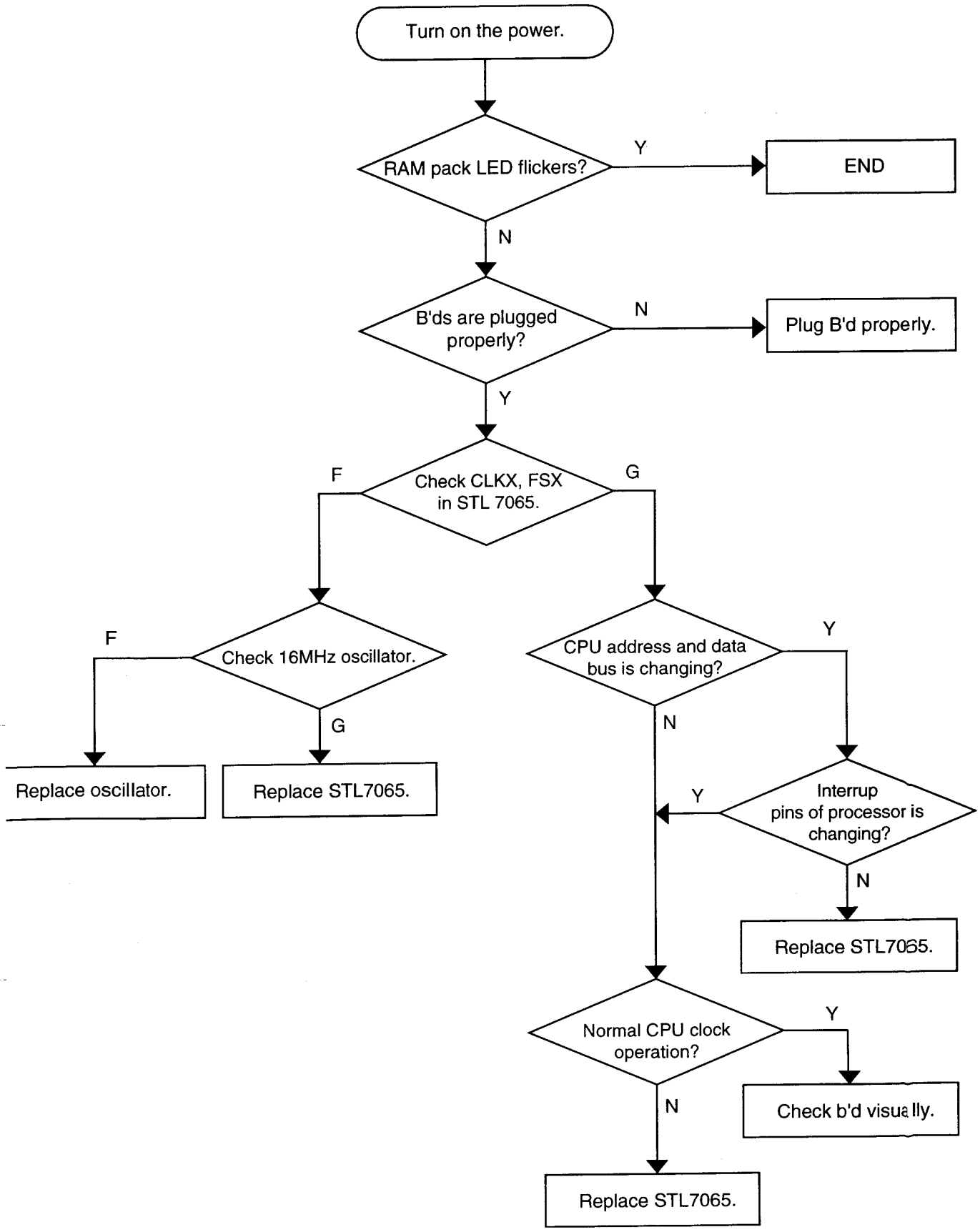
The LCD displays 'C7' while turning sync. Wait a minute and press any button to exit the test mode.

4-2 Troubleshooting

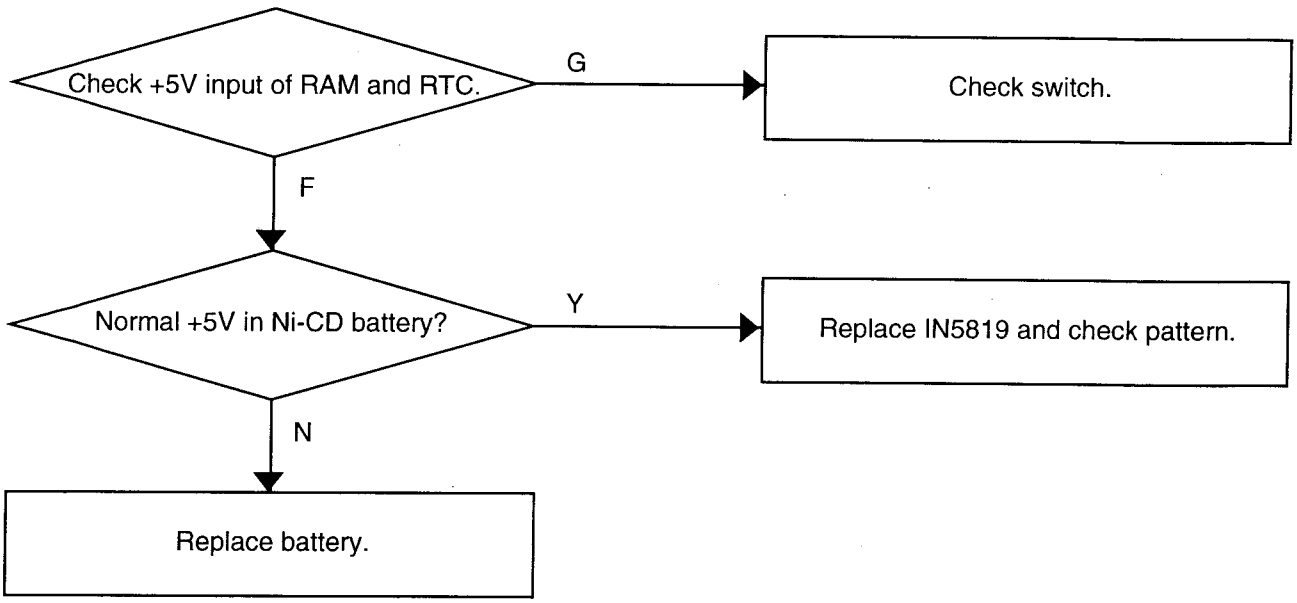
4-2-1 Power Supply Check



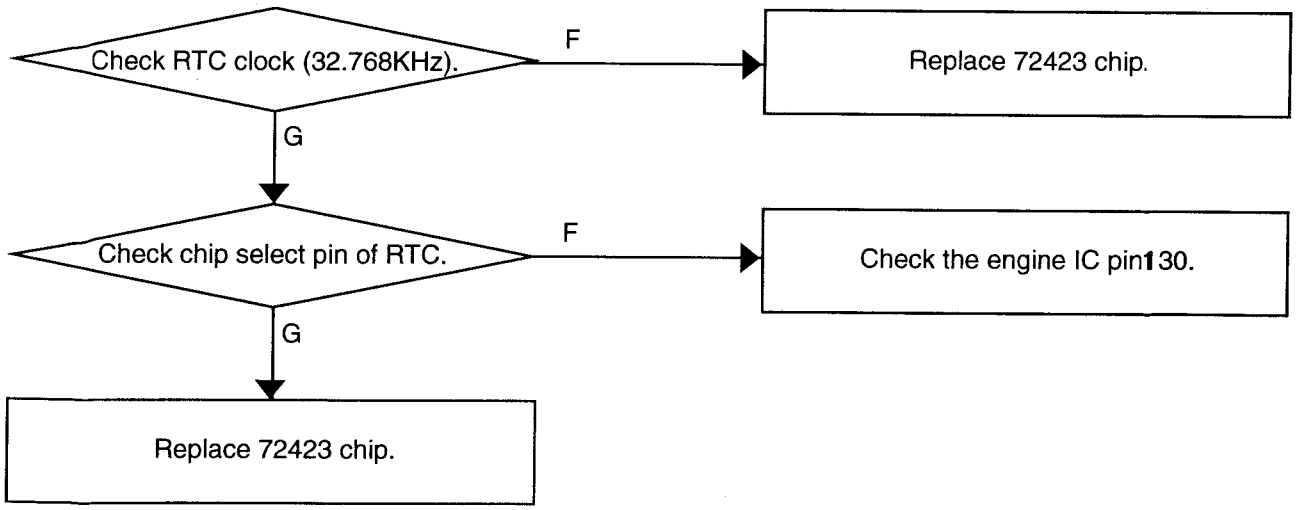
4-2-2 When RAM Pack LED is not flickered or system is continuously reset after 10 seconds the power turns on.



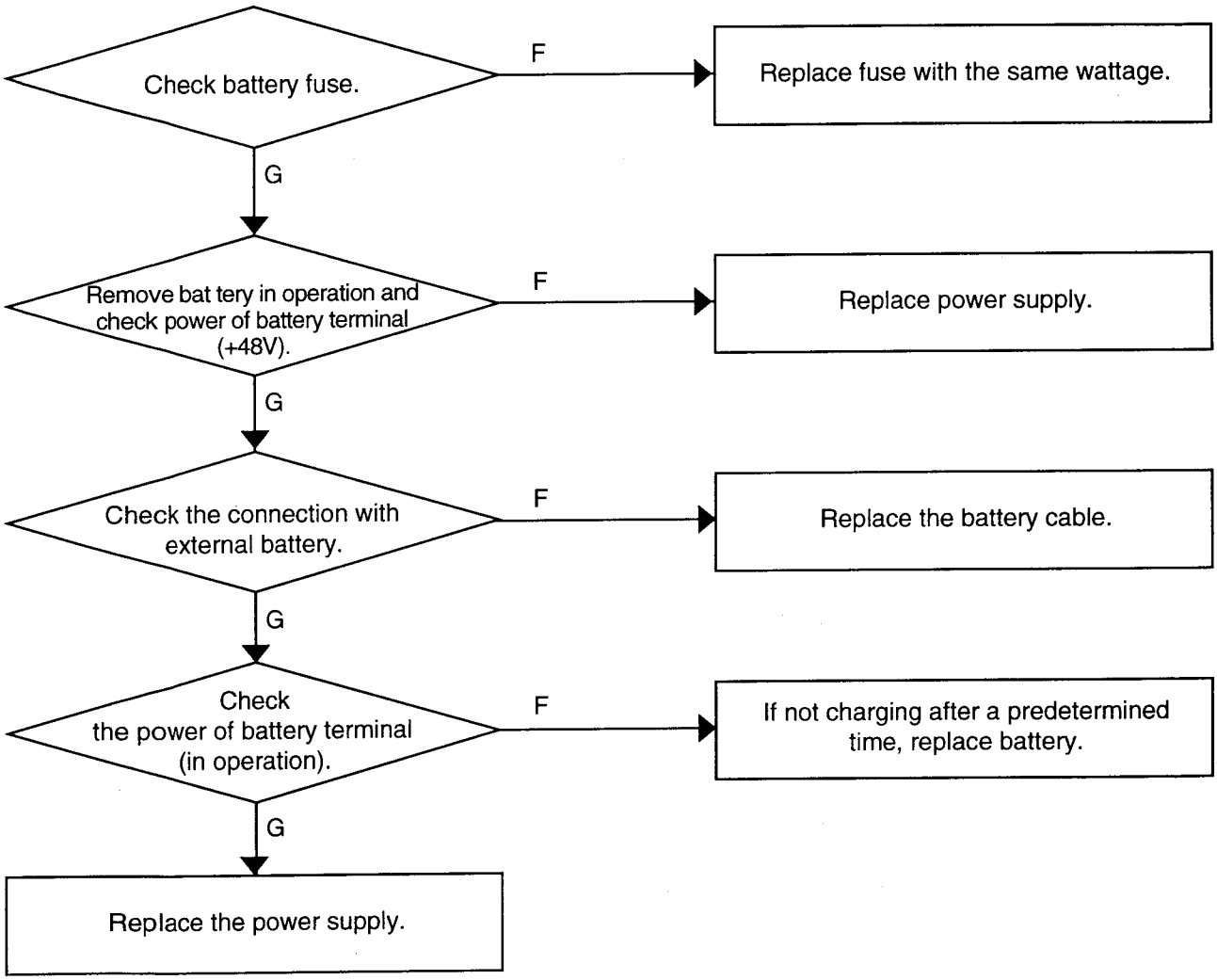
4-2-3 Memory Backup Failure



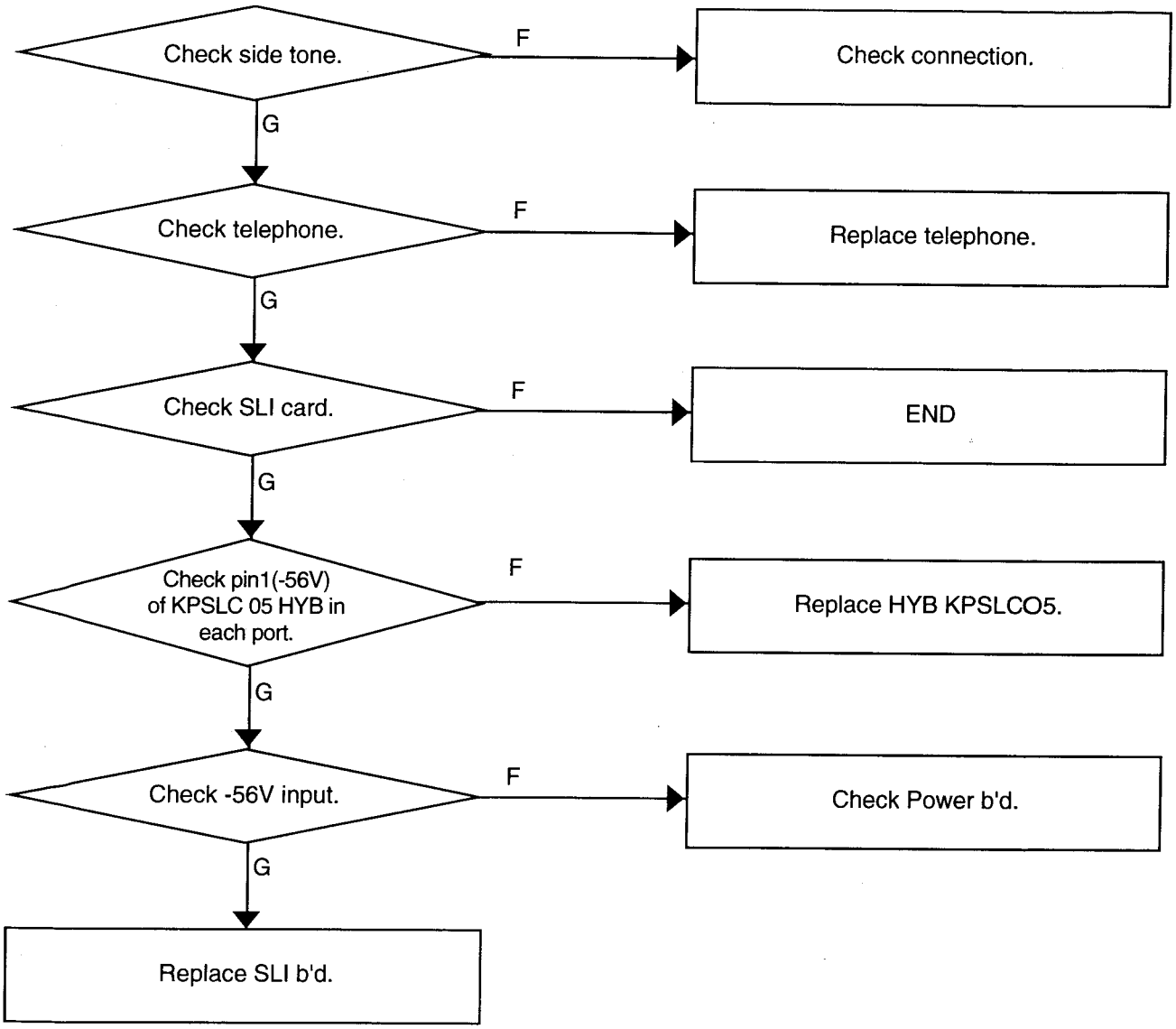
4-2-4 Real Time Clock Misoperation



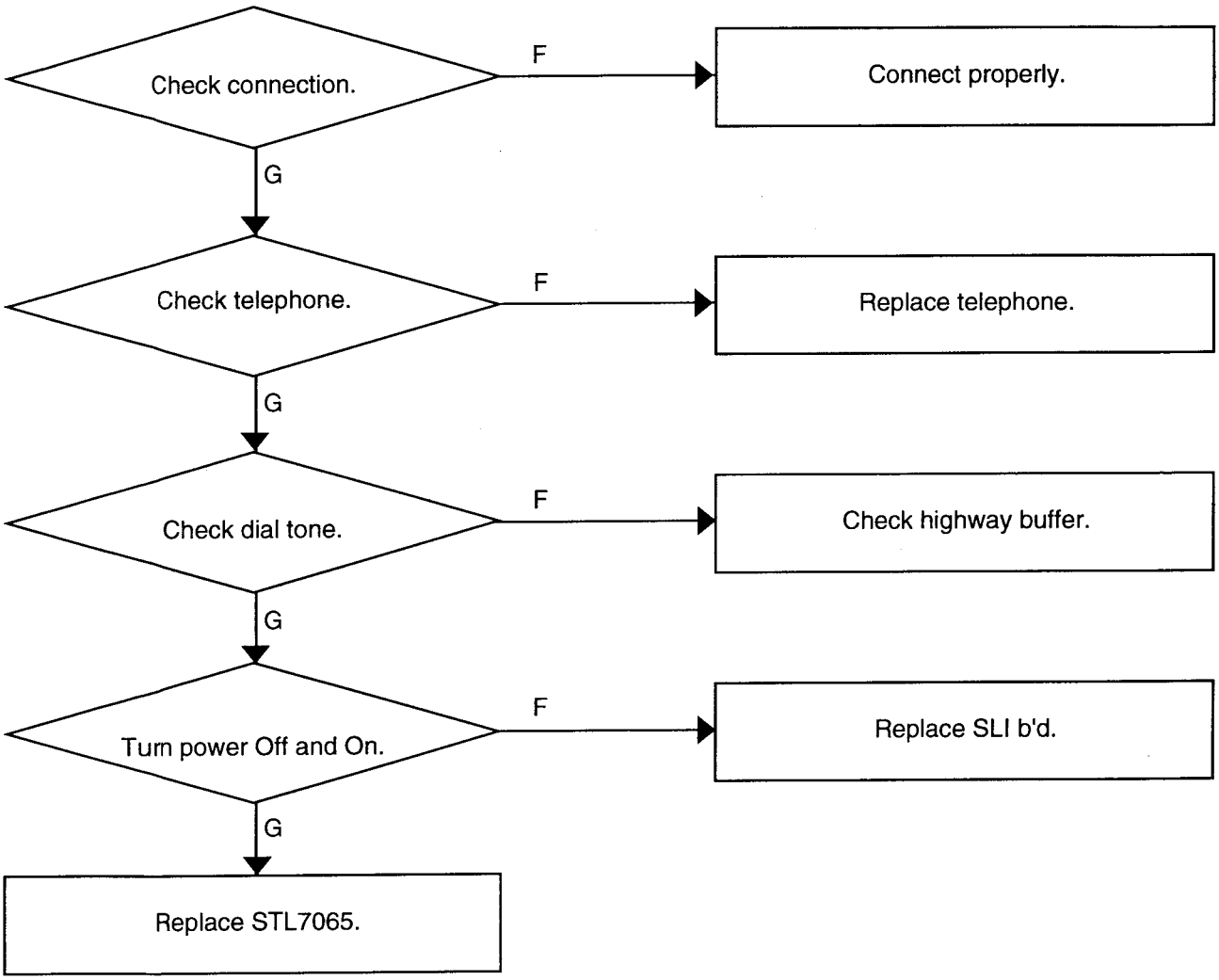
4-2-5 System Backup Failure



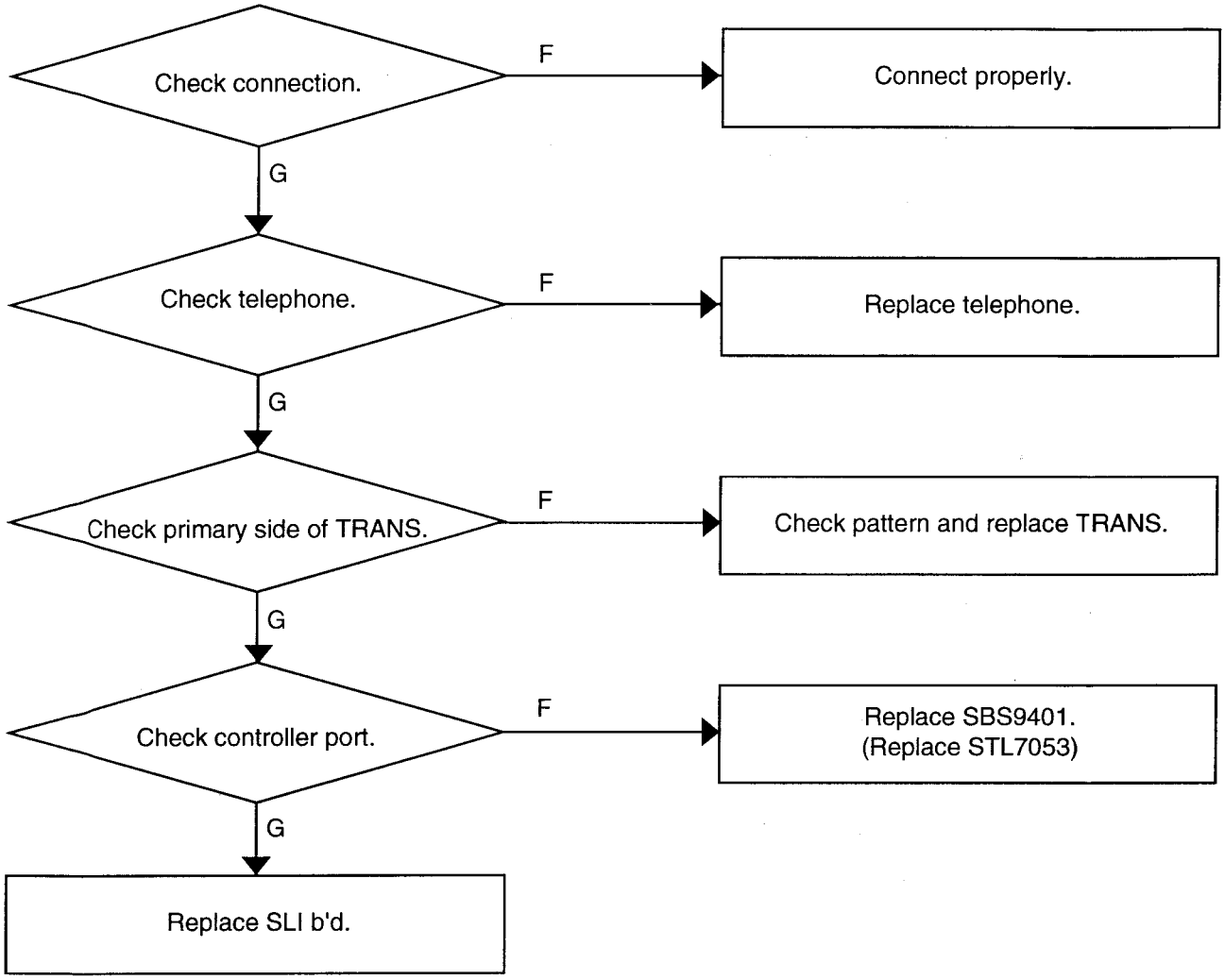
4-2-6 SLI DC Feeding Misoperation



4-2-7 SLI DTMF Detection Failure

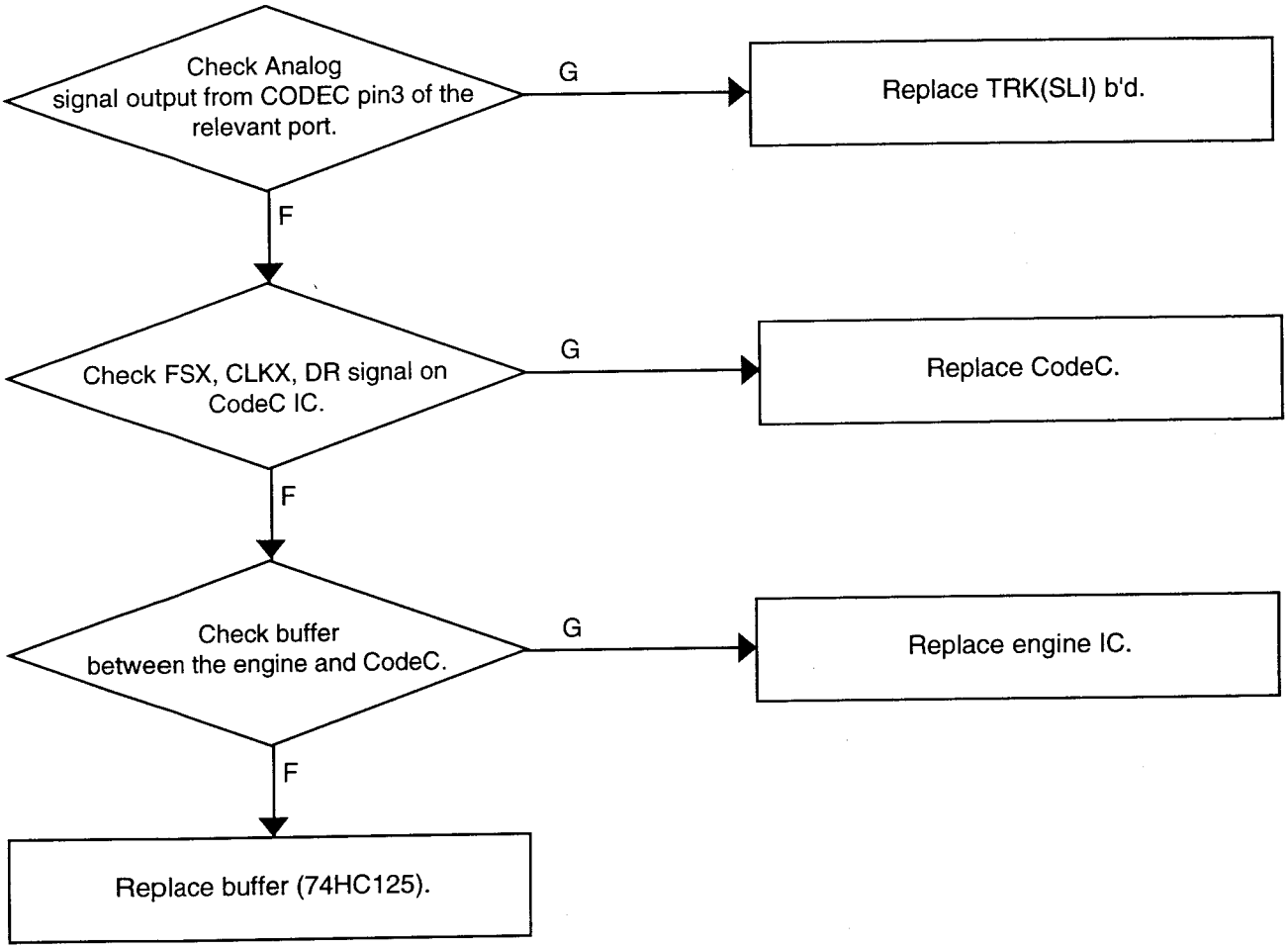


4-2-8 SLI Dial Pulse and Ring Detection Failure

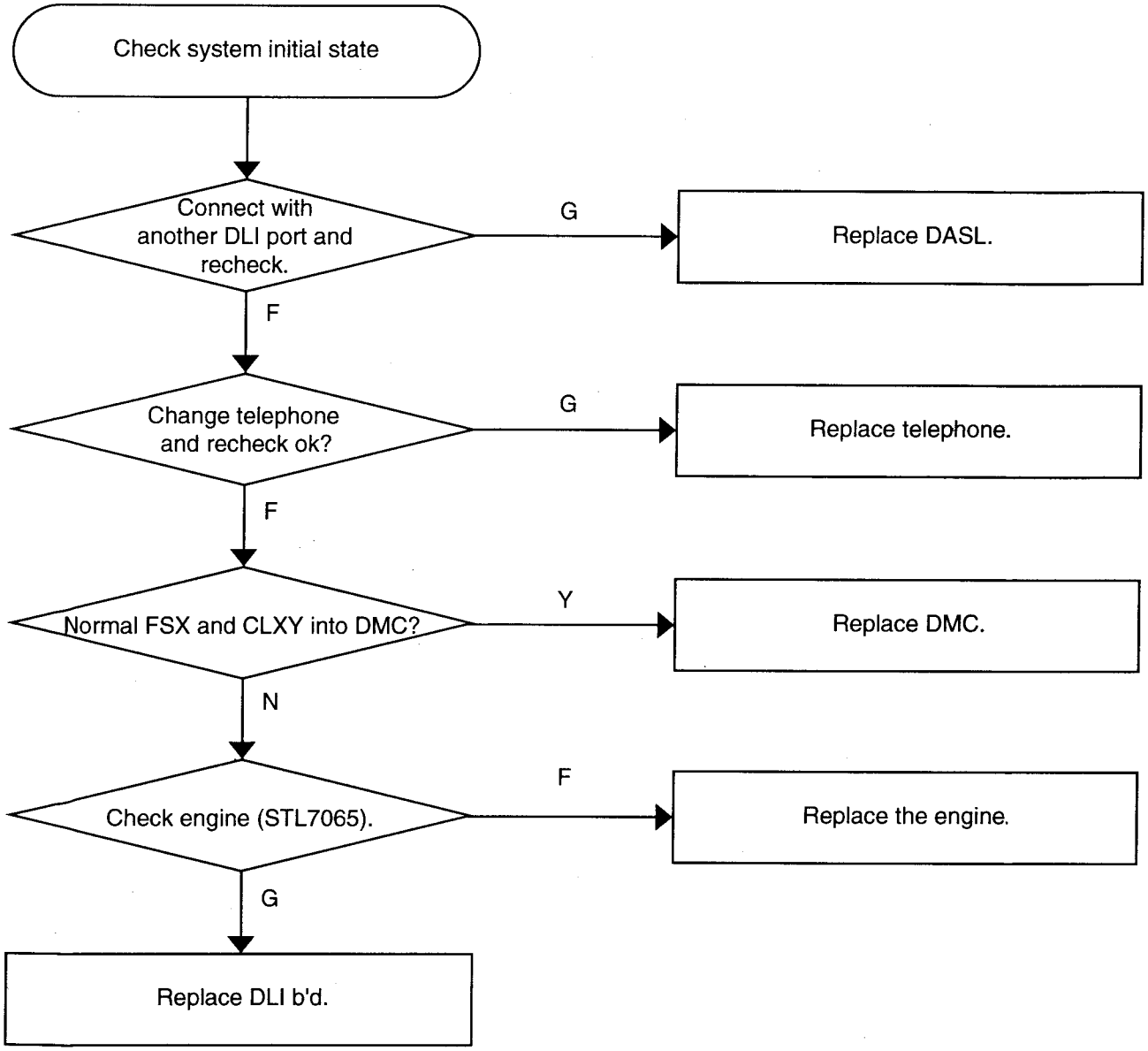


∗CONTROLLER : SBS9401 or STL7053

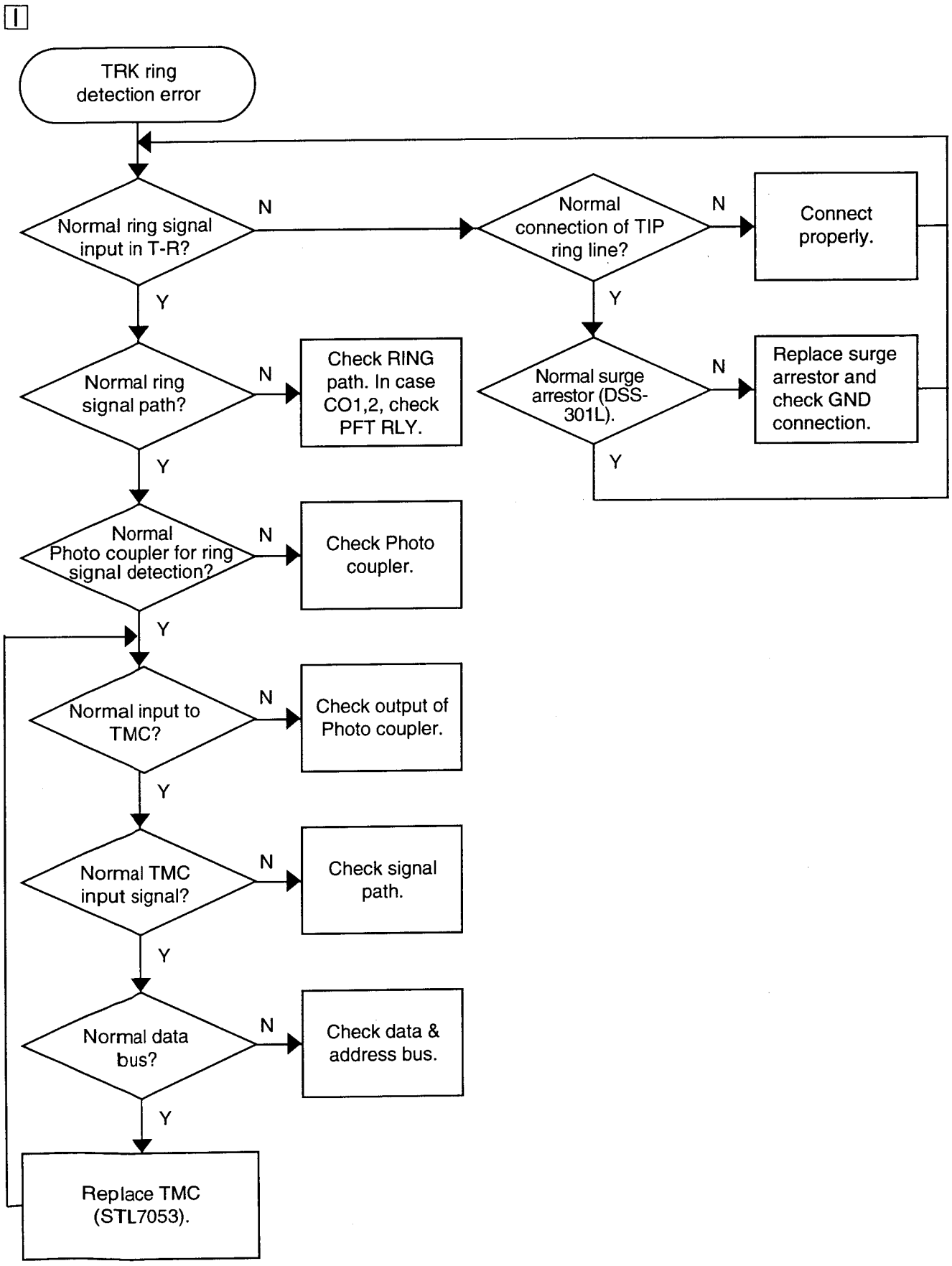
4-2-9 Tone does not generate from TRK or SLI port



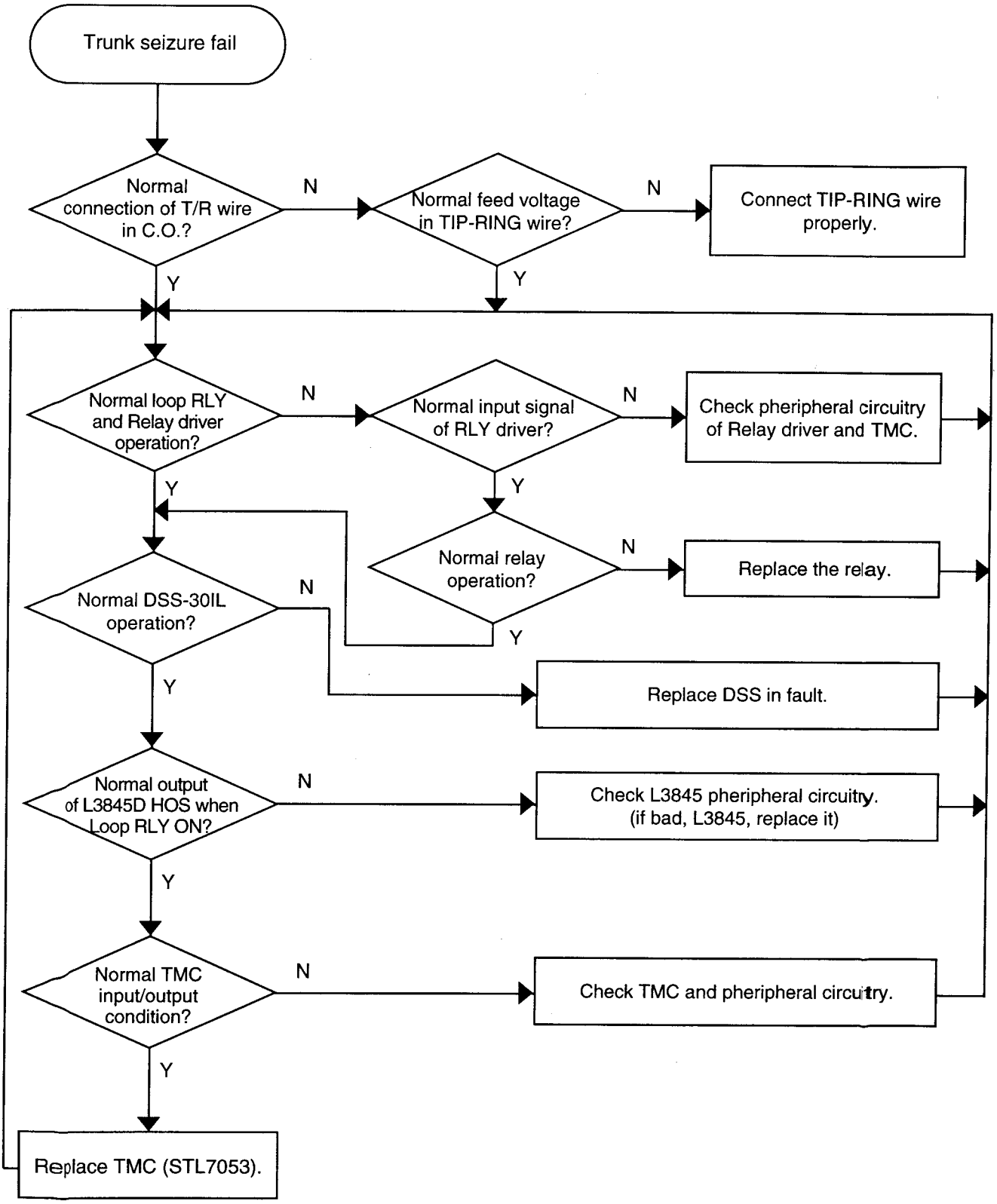
4-2-10 Digitalphone Misoperation



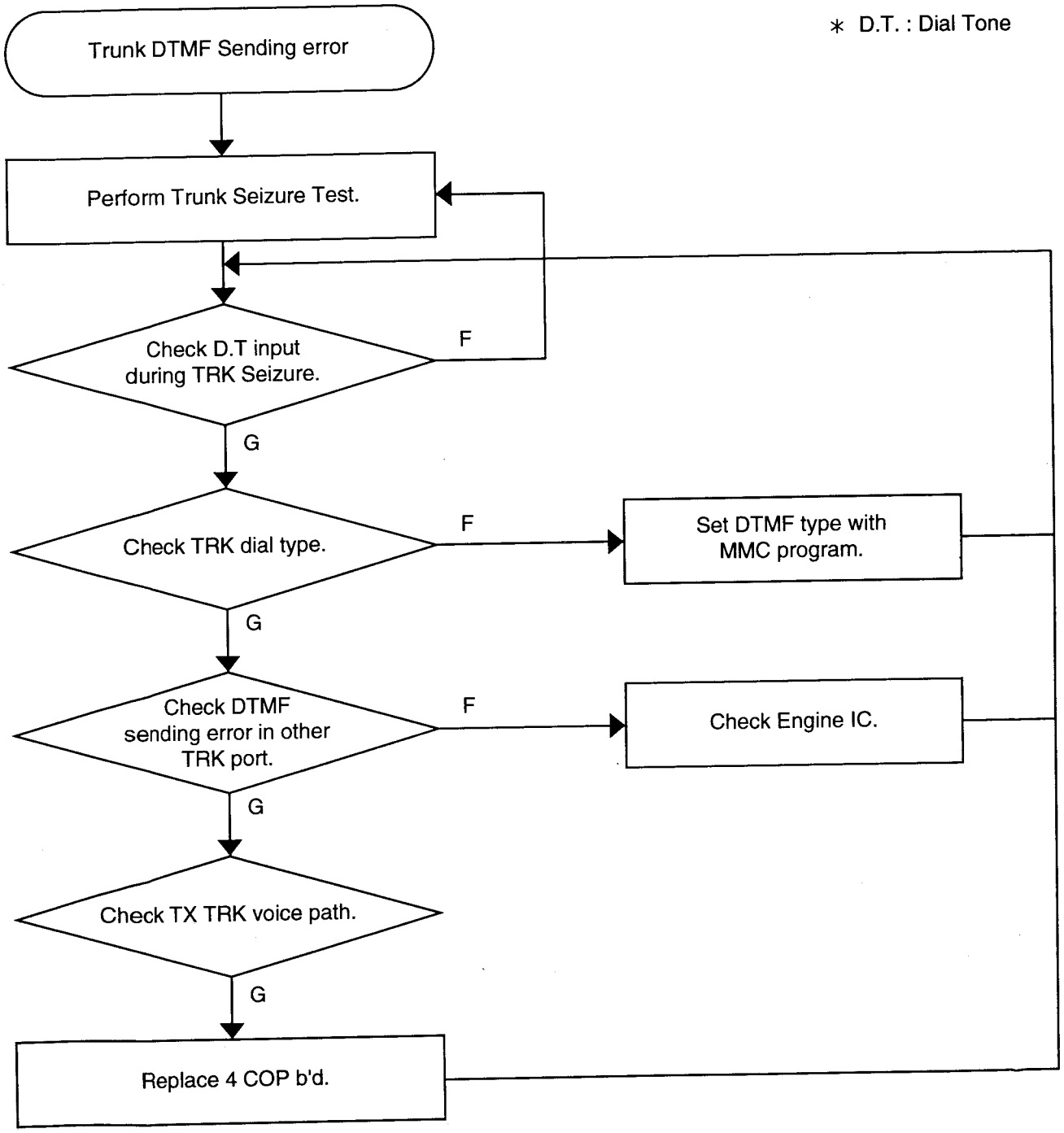
4-2-12 4 COP B'd Troubleshooting



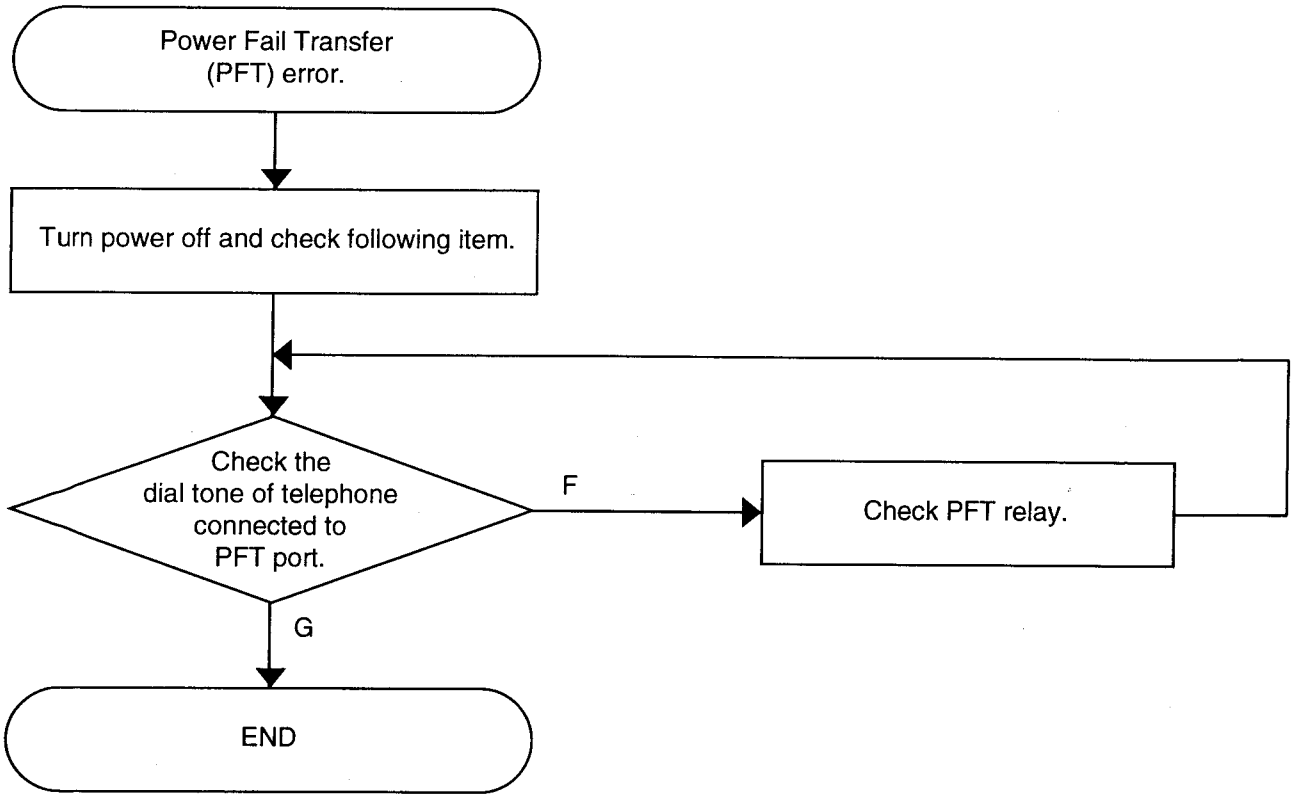
2


Trunk seizure fail
Normal connection of T/R wire in C.O.?
N
Normal feed voltage in TIP-RING wire?
N
Connect TIP-RING wire properly.
Y
Y
Normal loop RLY and Relay driver operation?
N
Normal input signal of RLY driver?
N
Check pheripheral circuitry of Relay driver and TMC.
Y
Y
Normal relay operation?
N
Replace the relay.
Normal DSS-30IL operation?
N
Y
Y
Replace DSS in fault.
Normal output of L3845D HOS when Loop RLY ON?
N
Check L3845 pheripheral circuitry. (if bad, L3845, replace it)
Y
Normal TMC input/output condition?
N
Check TMC and pheripheral circuitry.
Y
Replace TMC (STL7053).

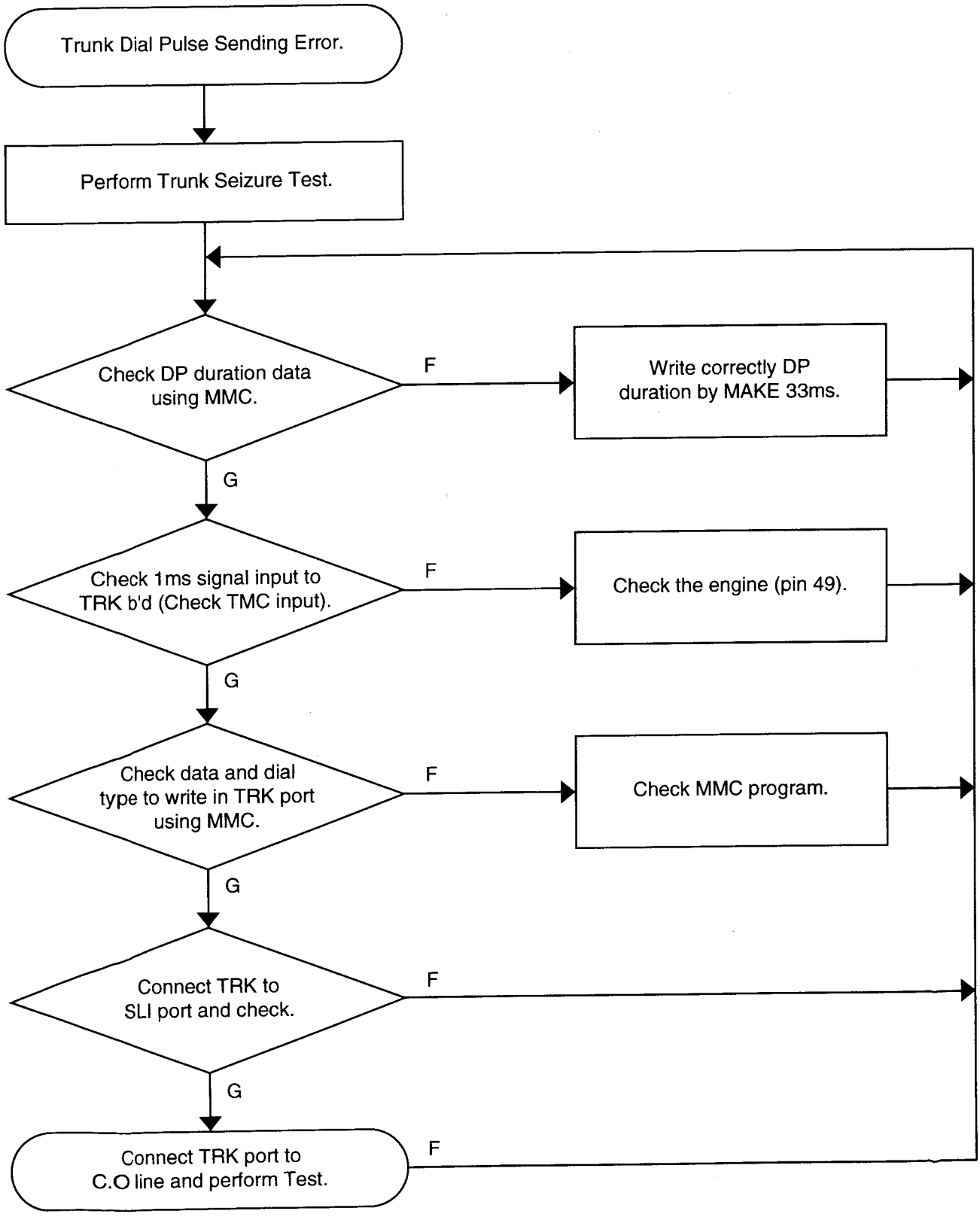
3


Trunk DTMF Sending error
* D.T. : Dial Tone
Perform Trunk Seizure Test.
Check D.T input during TRK Seizure.
F
G
Check TRK dial type.
F
Set DTMF type with MMC program.
G
Check DTMF sending error in other TRK port.
F
Check Engine IC.
G
Check TX TRK voice path.
G
Replace 4 COP b'd.

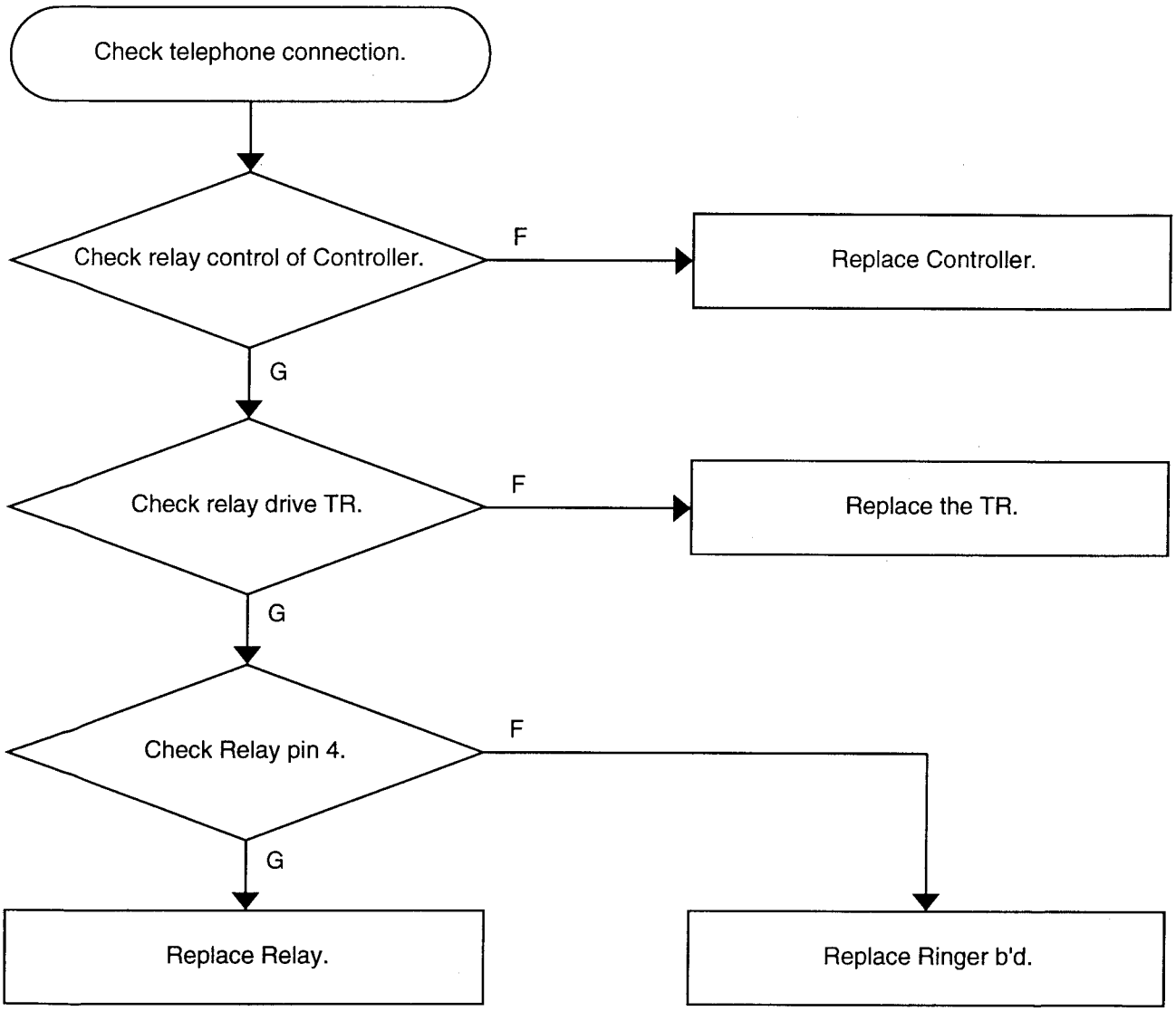
4


Power Fail Transfer
(PFT) error.
Turn power off and check following item.
Check the
dial tone of telephone
connected to
PFT port.
F
Check PFT relay.
G
END

5

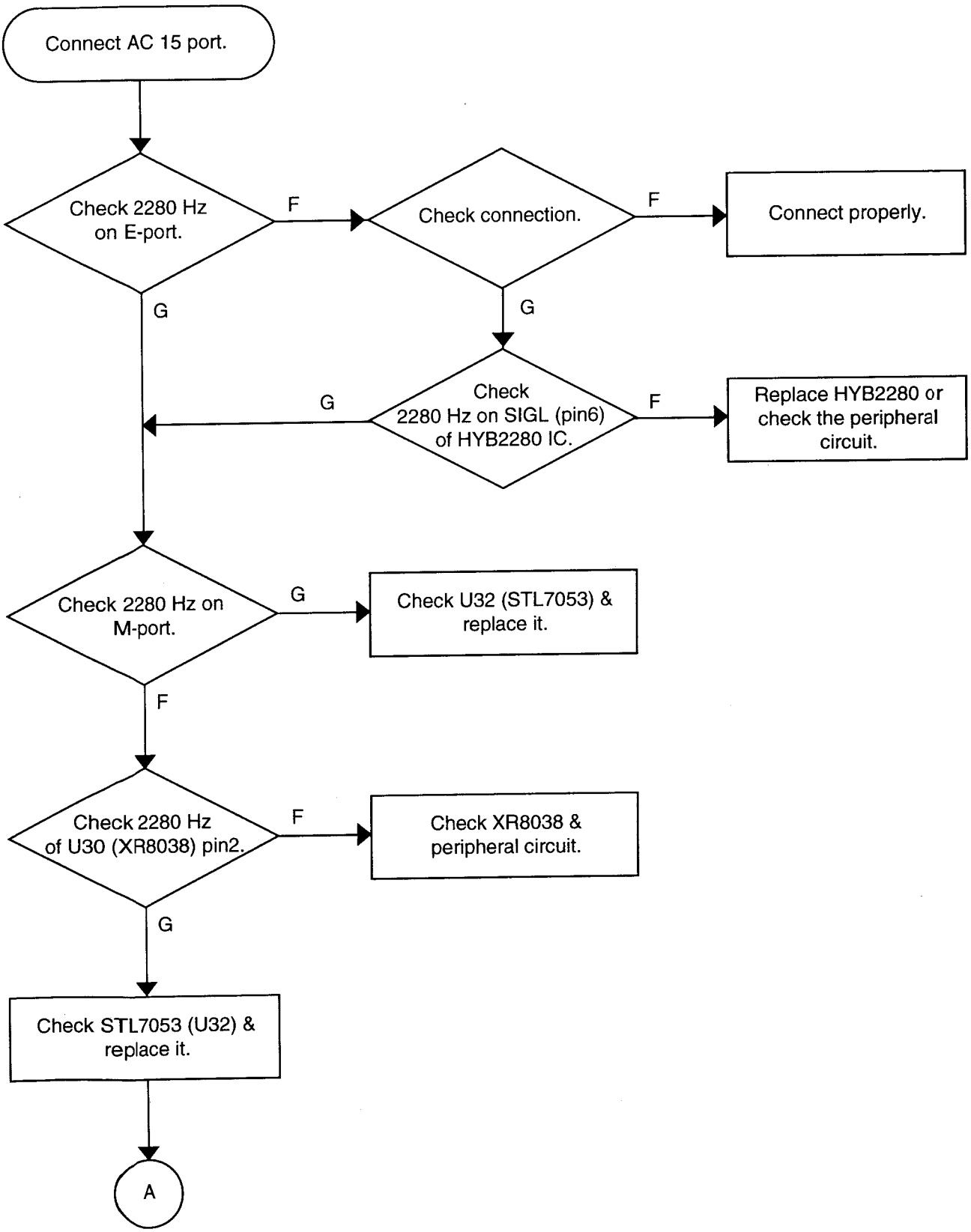

Trunk Dial Pulse Sending Error.
Perform Trunk Seizure Test.
Check DP duration data using MMC.
F
Write correctly DP duration by MAKE 33ms.
G
Check 1ms signal input to TRK b'd (Check TMC input).
F
Check the engine (pin 49).
G
Check data and dial type to write in TRK port using MMC.
F
Check MMC program.
G
Connect TRK to SLI port and check.
F
G
Connect TRK port to C.O line and perform Test.
F

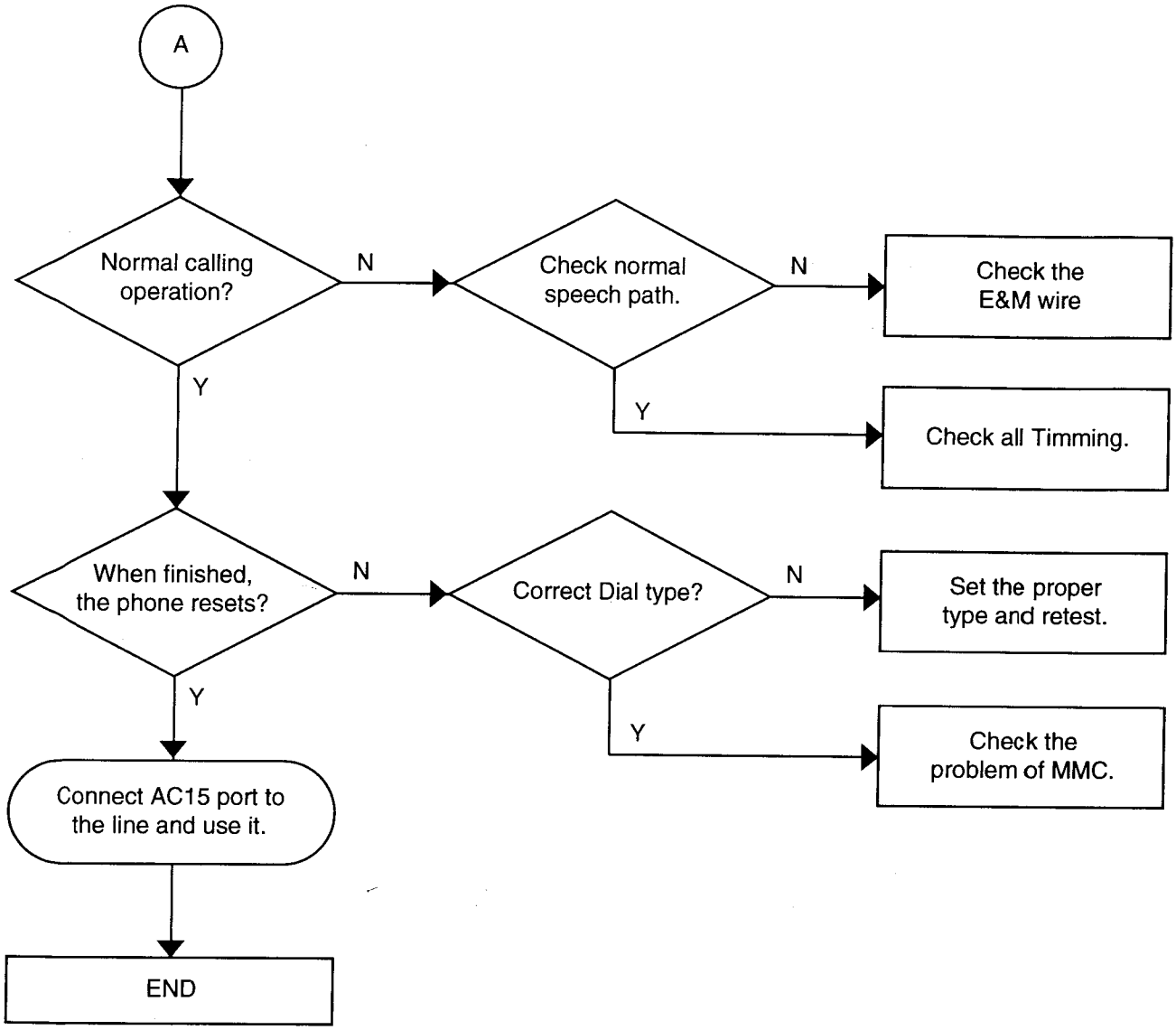
4-2-12 SLI Ring Generation Failure



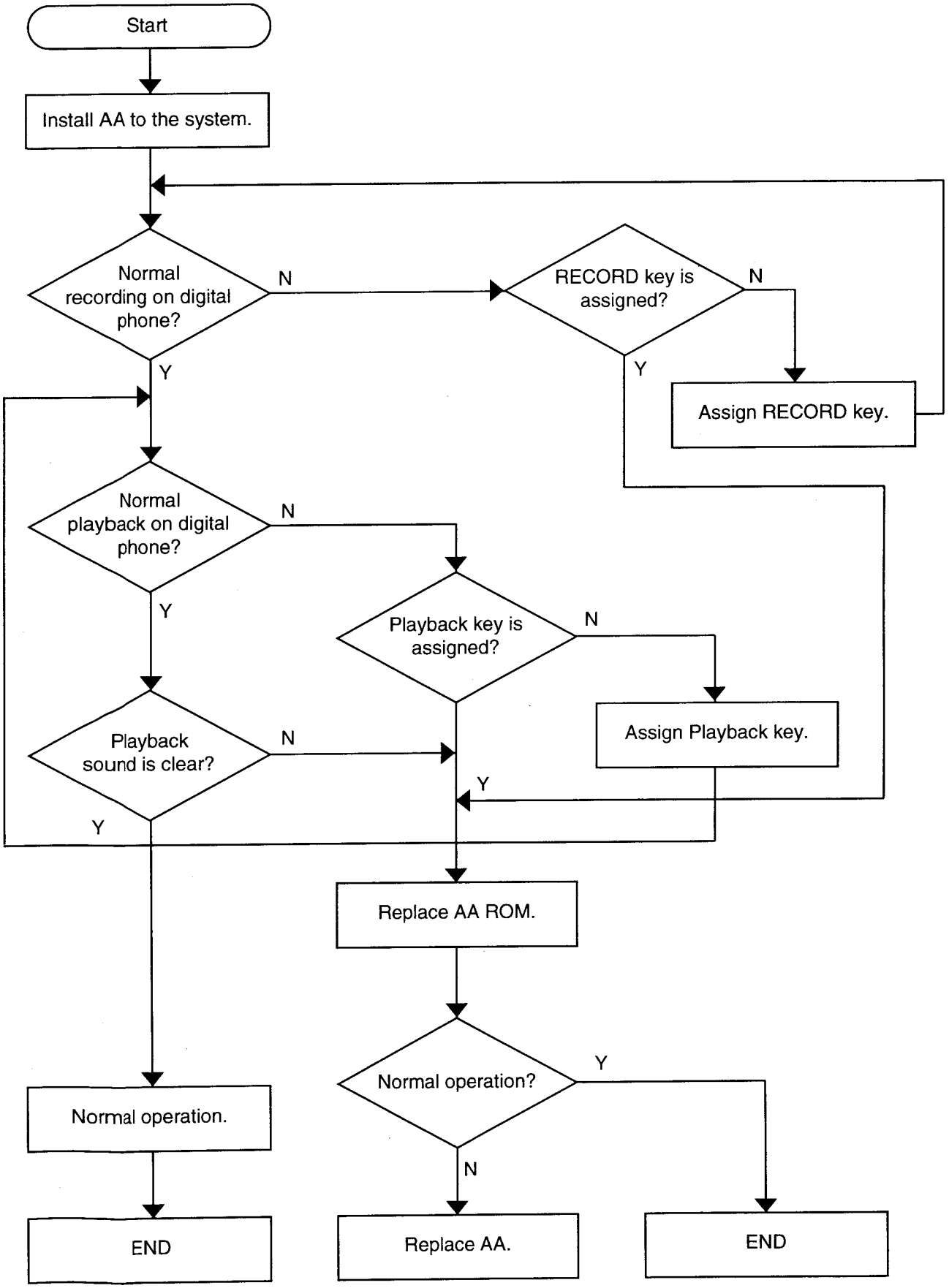
CONTROLLER : SBS9401 OR STL7053

4-2-13 AC15 Troubleshooting

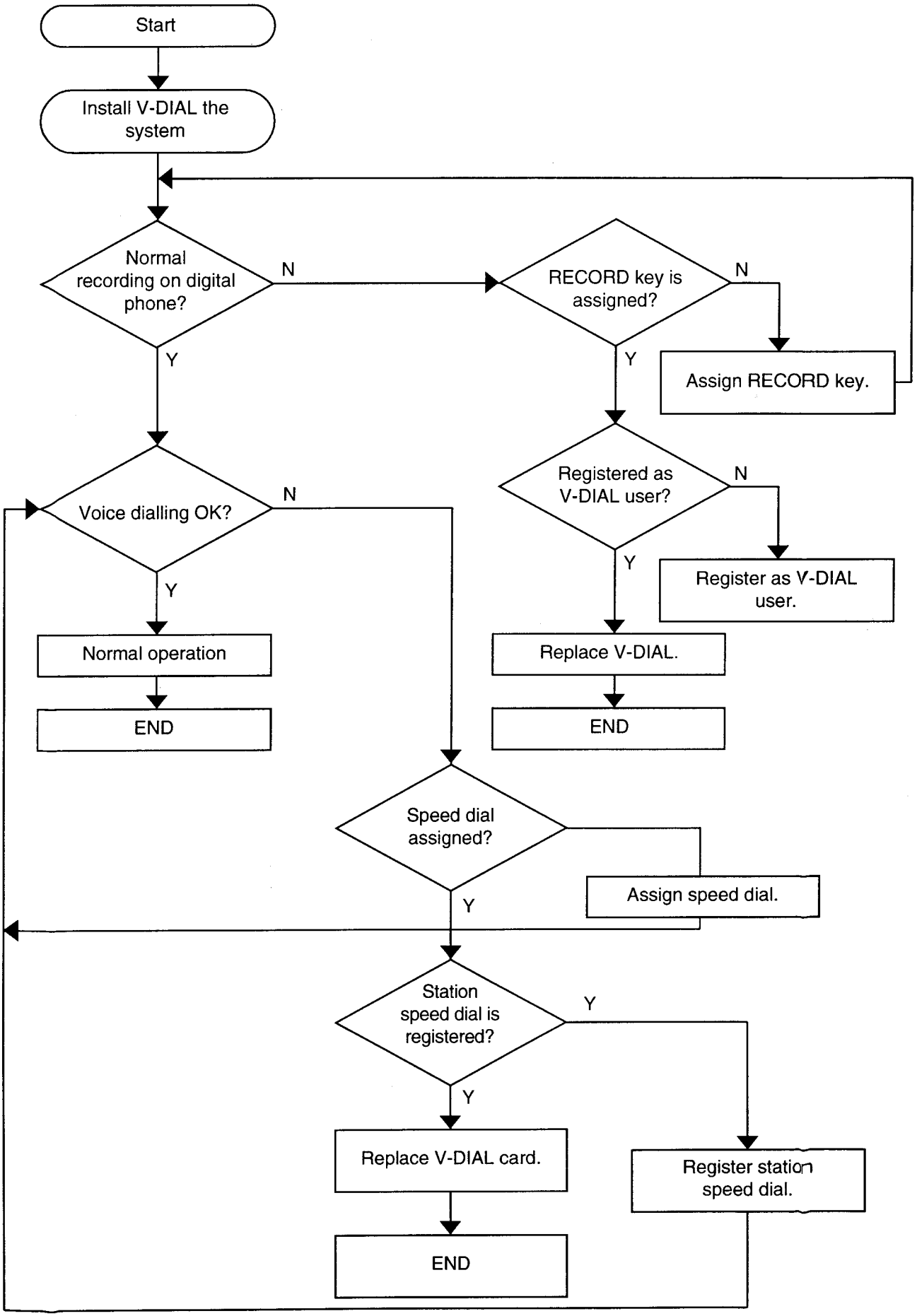



A
Normal calling operation?
N
Check normal speech path.
N
Check the E&M wire
Y
Y
Check all Timming.
When finished, the phone resets?
N
Correct Dial type?
N
Set the proper type and retest.
Y
Y
Check the problem of MMC.
Connect AC15 port to the line and use it.
END

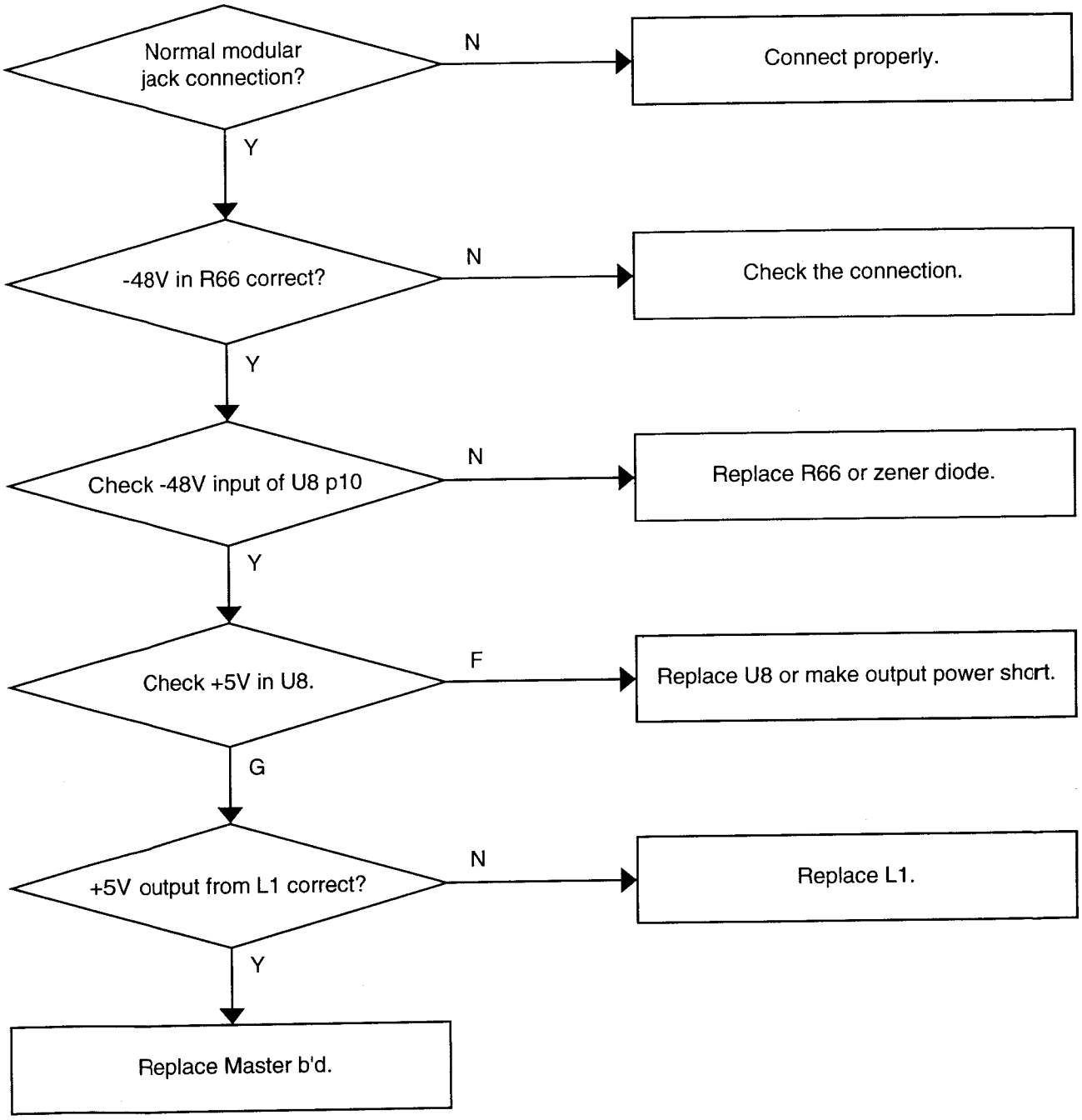
4-2-14 AA Troubleshooting



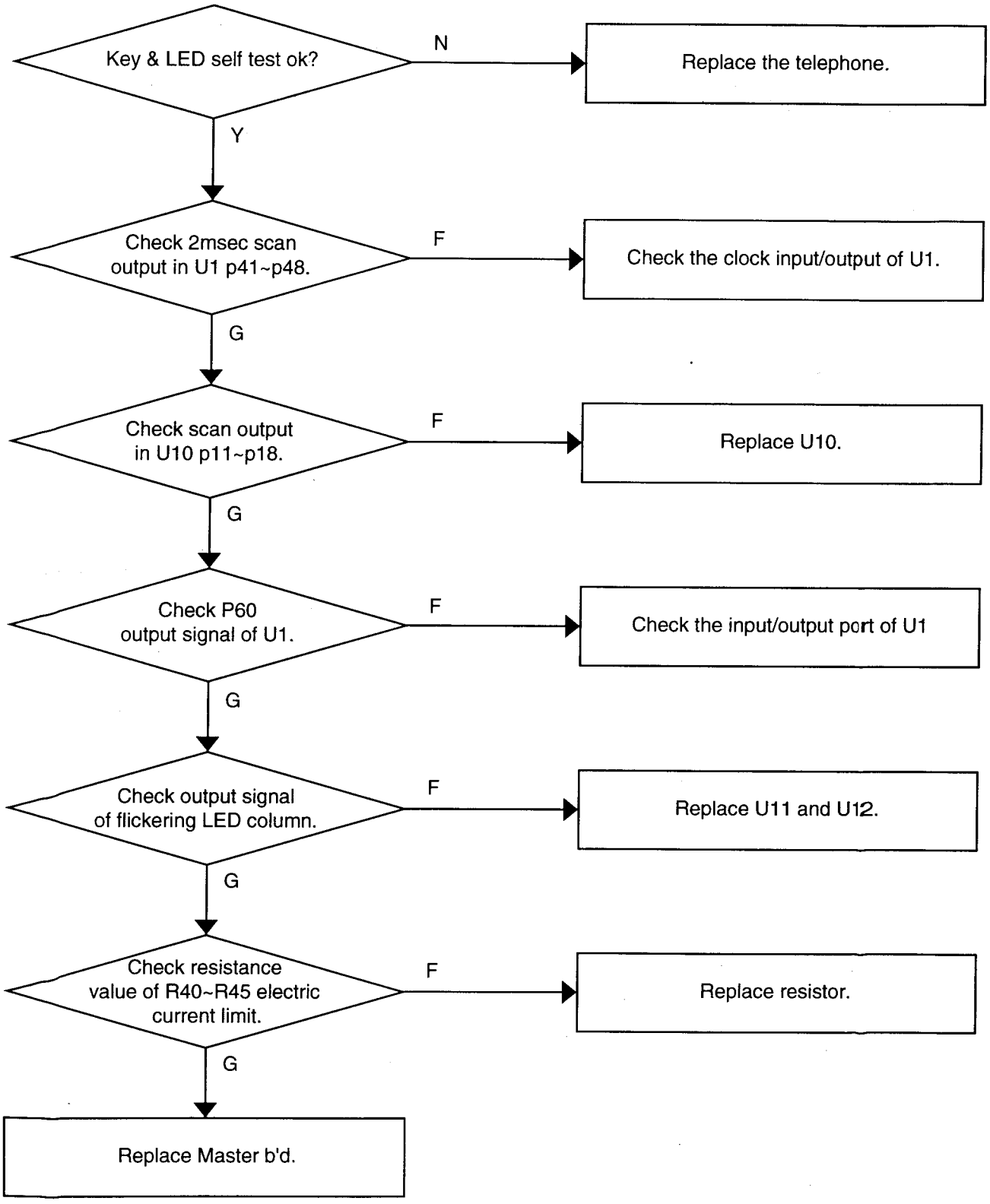
4-2-15 VDIAL Troubleshooting



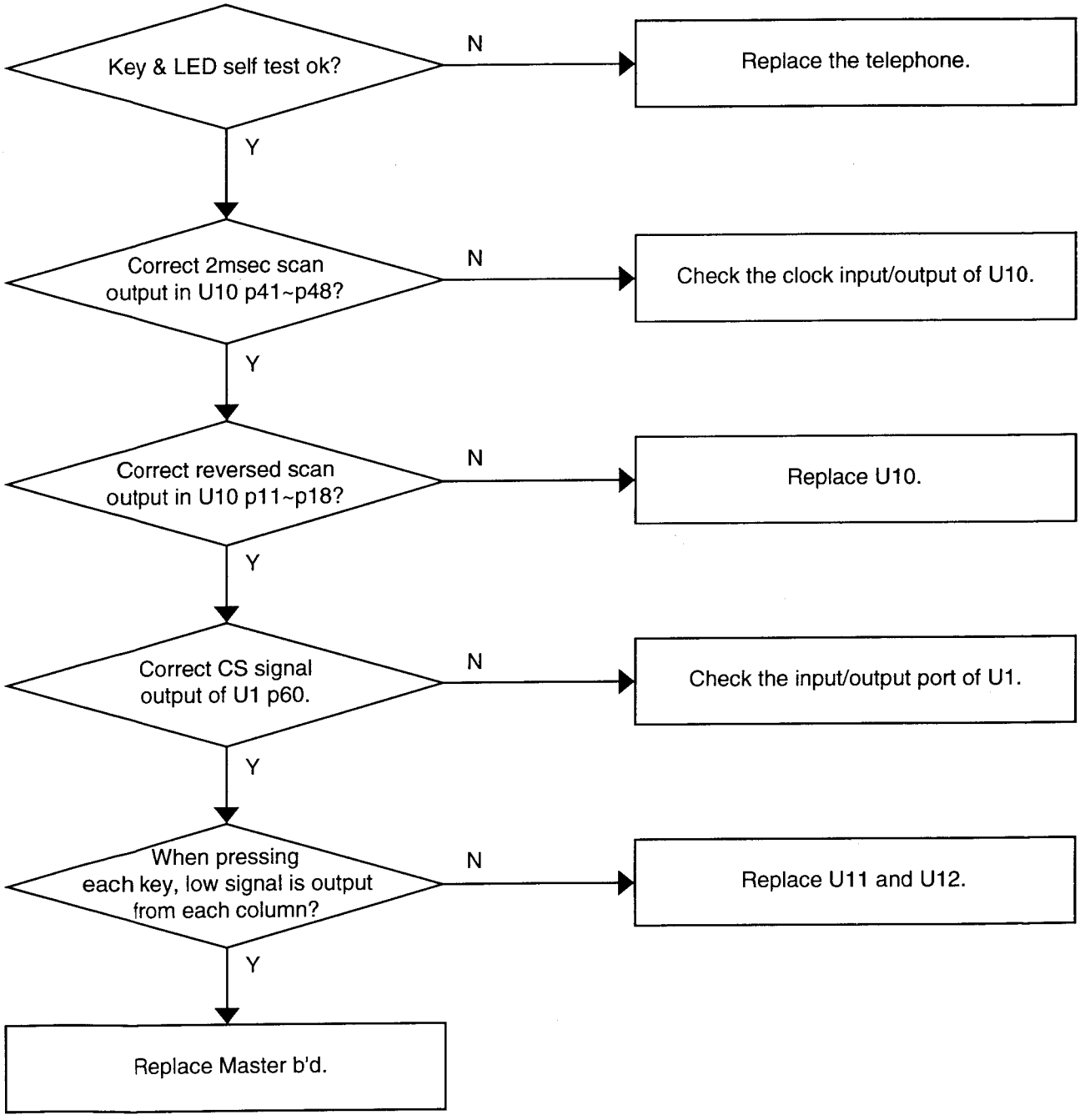
4-2-16 No Digitalphone Power



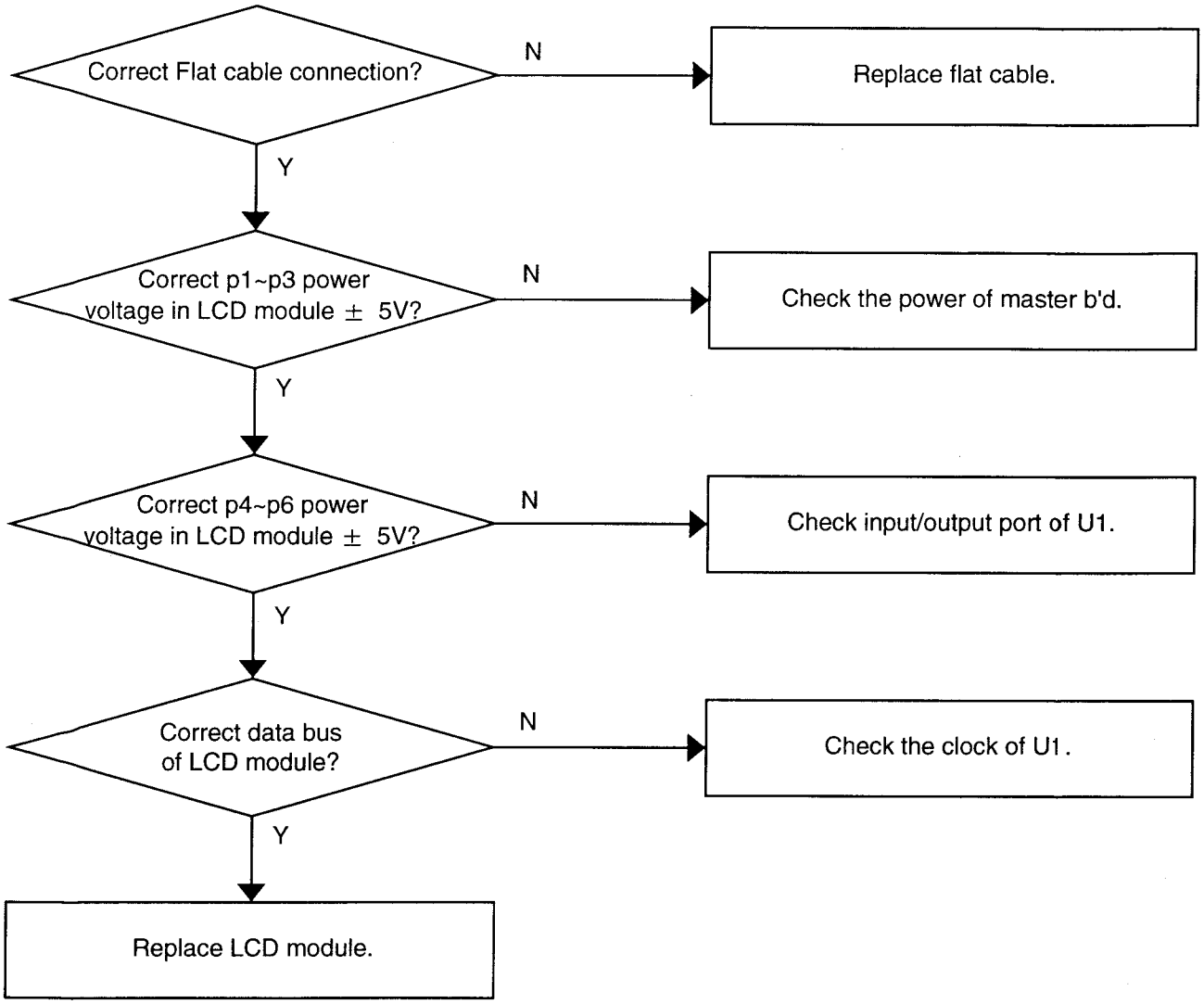
4-2-17 Abnormal Key of Digitalphone



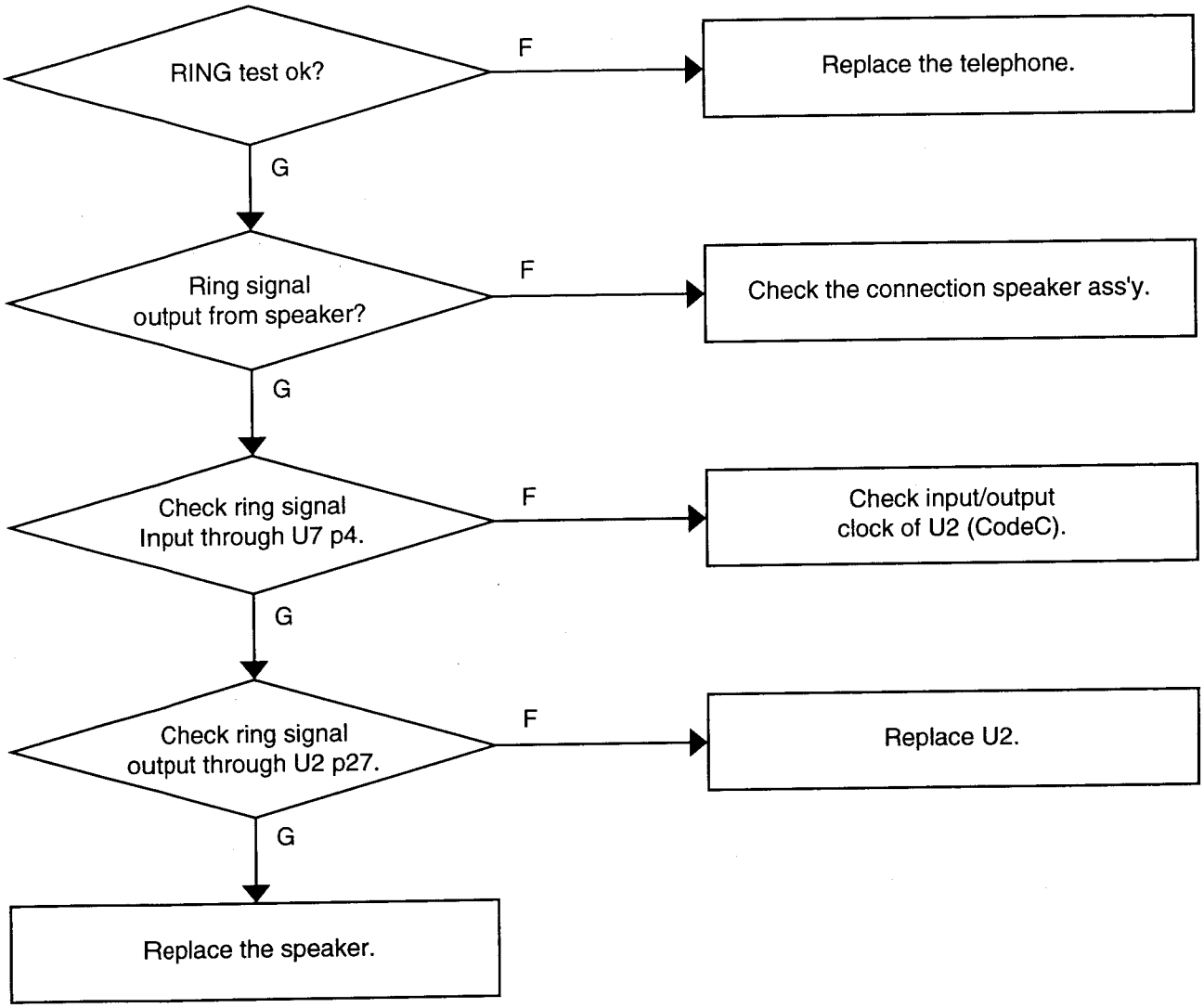
4-2-18 Digitalphone Key Operation Failure



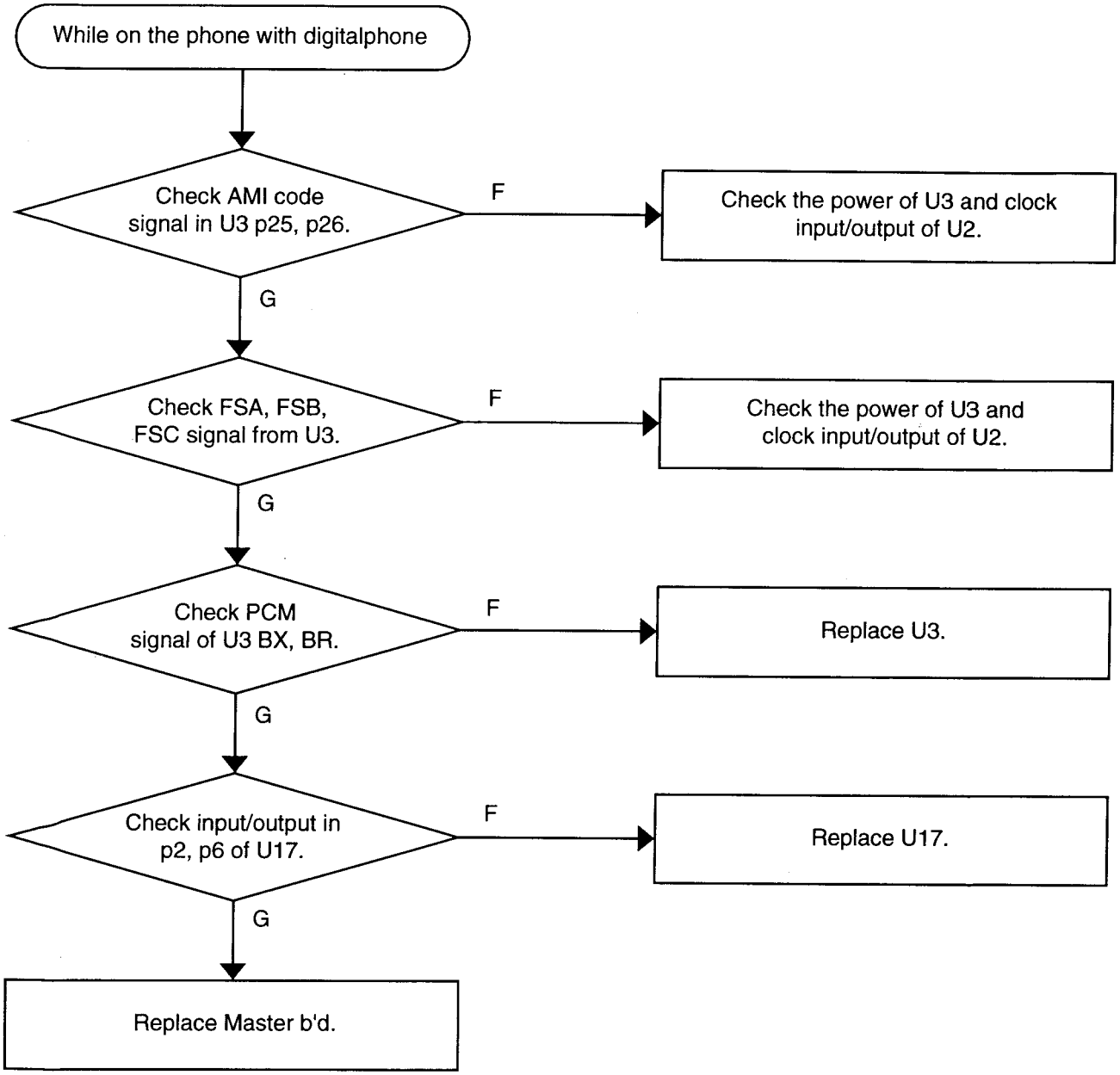
4-2-19 LCD Display Misoperation



4-2-20 Abnormal Digitalphone Ring

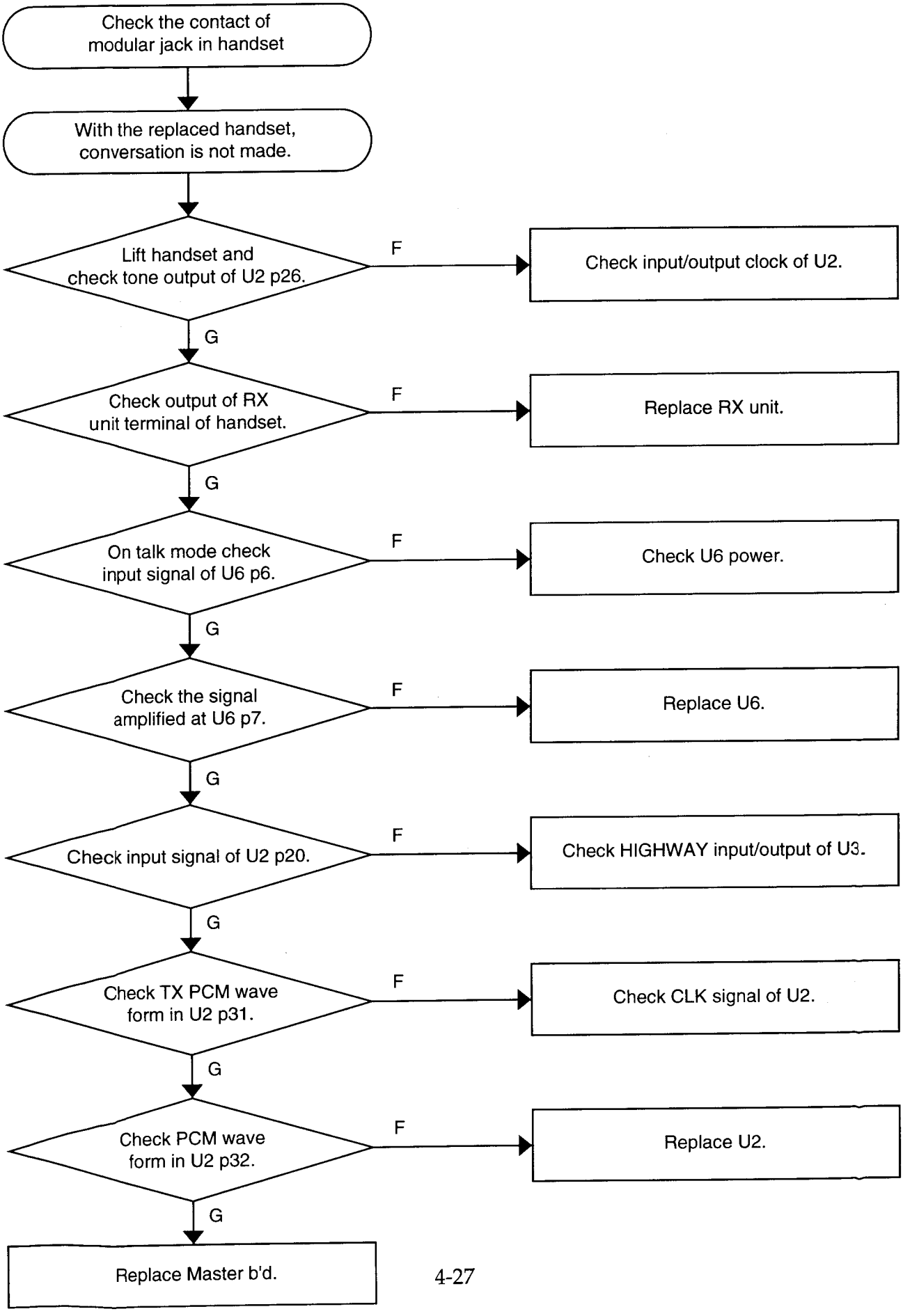


4-2-21 Digitalphone Voice Conversatiion Misoperation

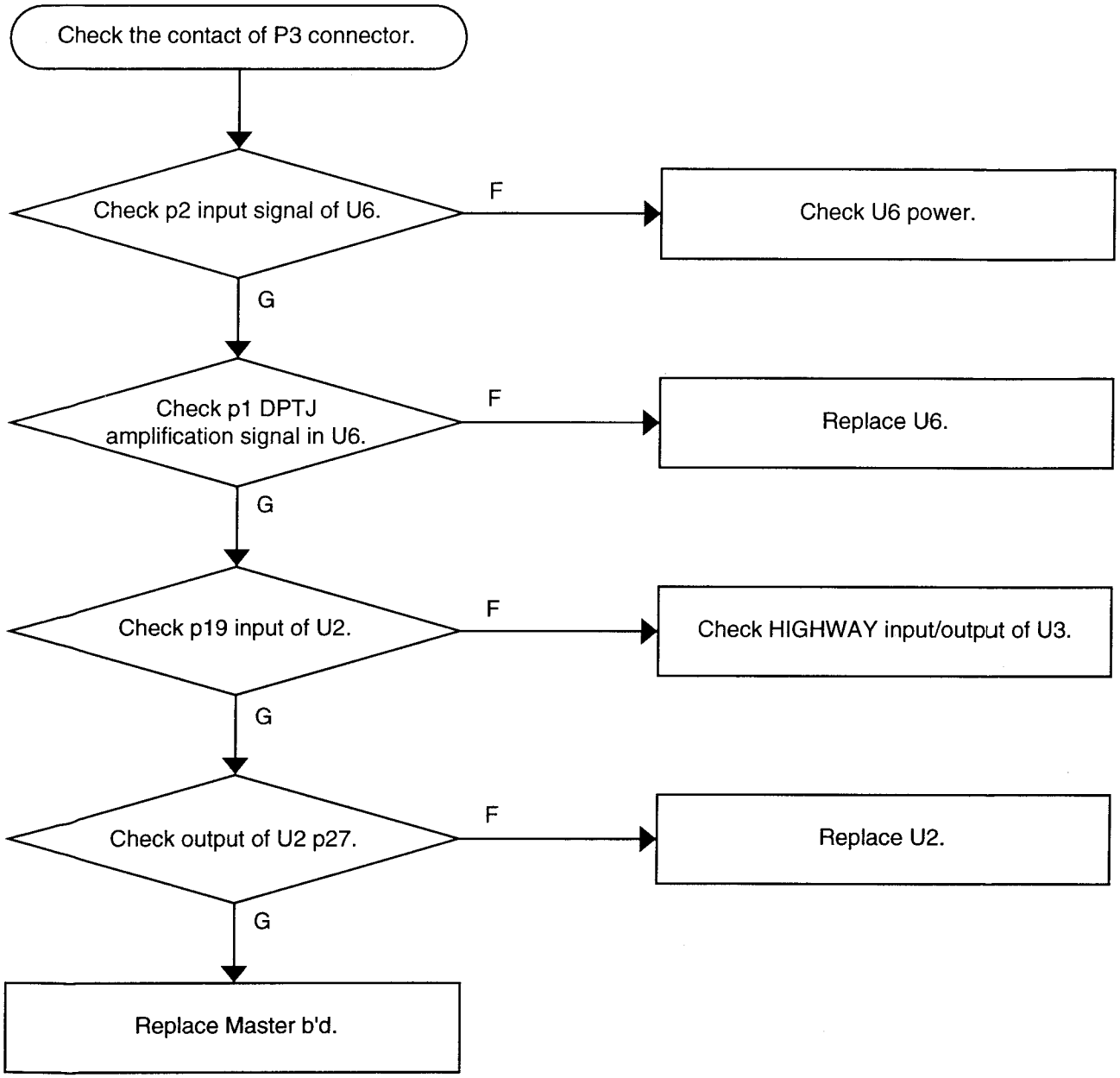


4-2-22 Handset Conversation Misoperation

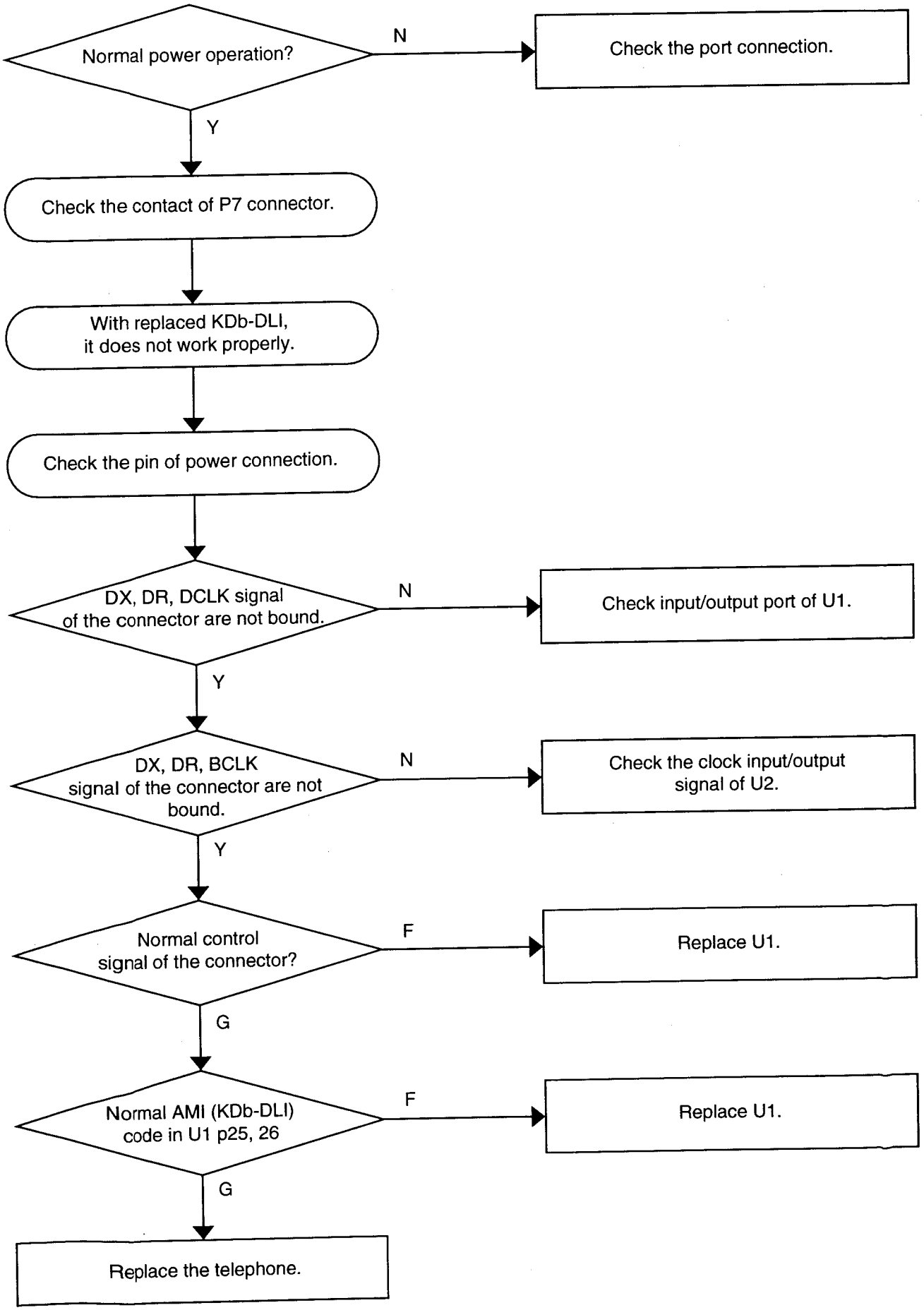
(Speakerphone is normal)



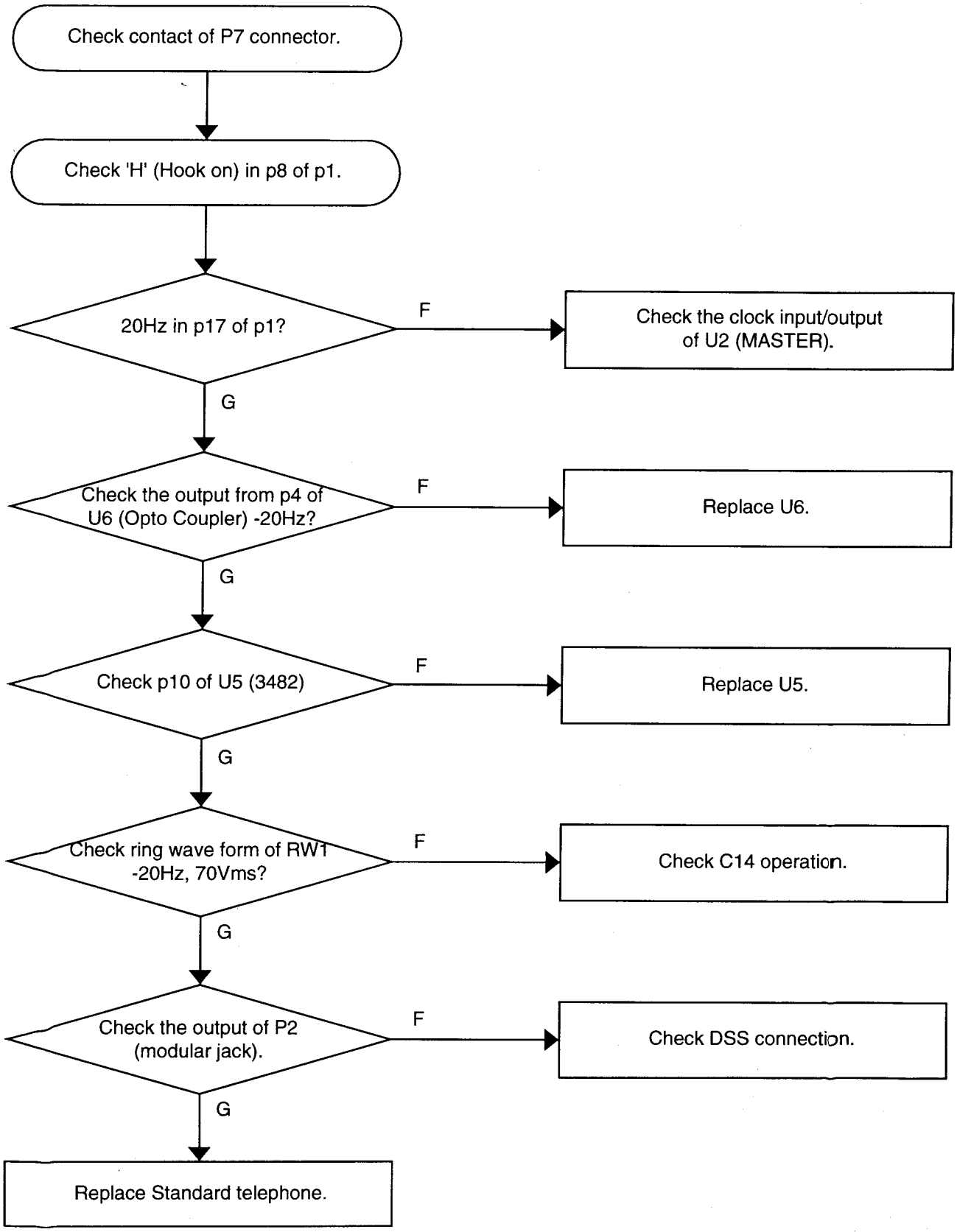
4-2-23 Speakerphone Misoperation



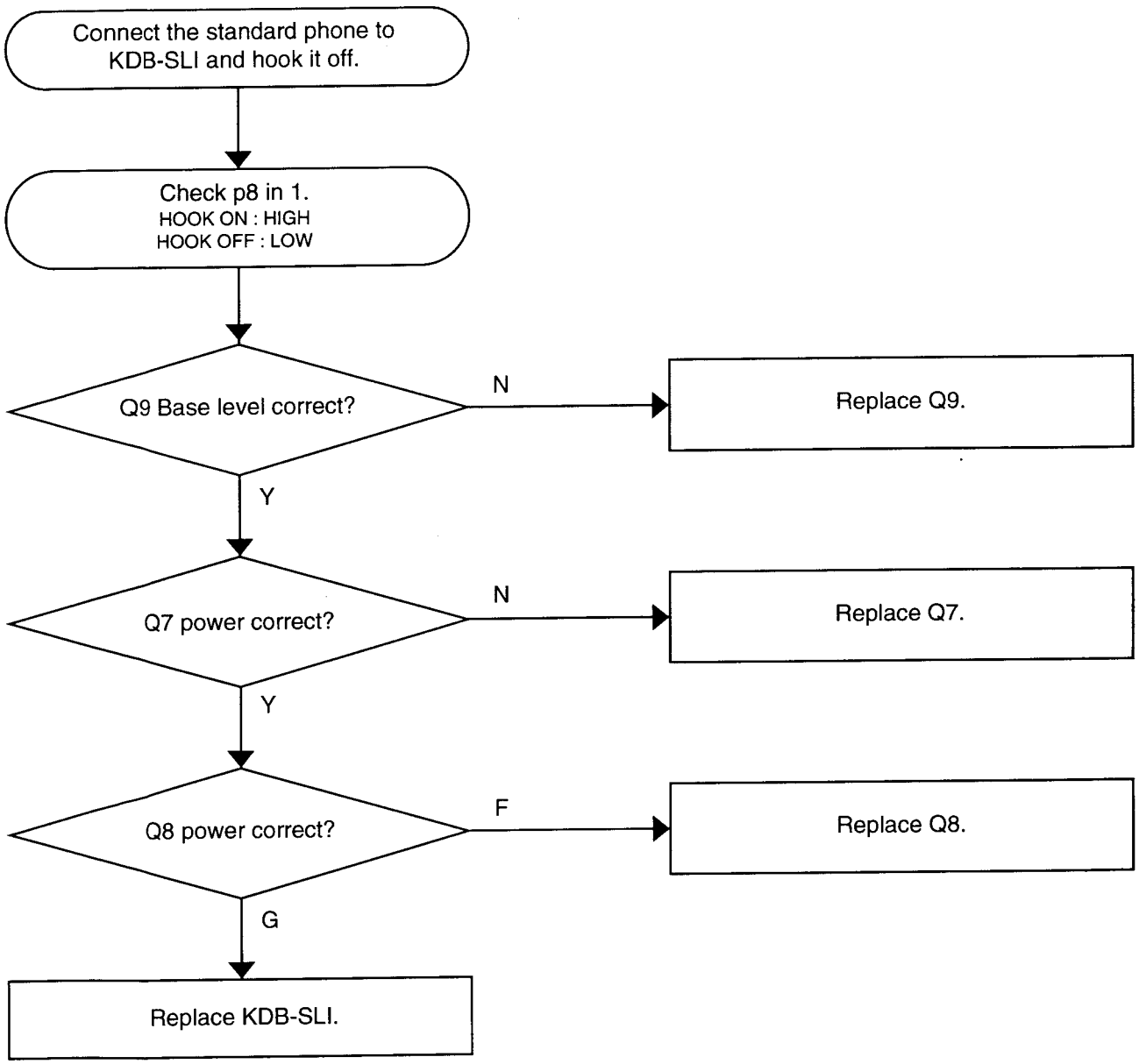
4-2-24 2B Digitalphone Misoperation



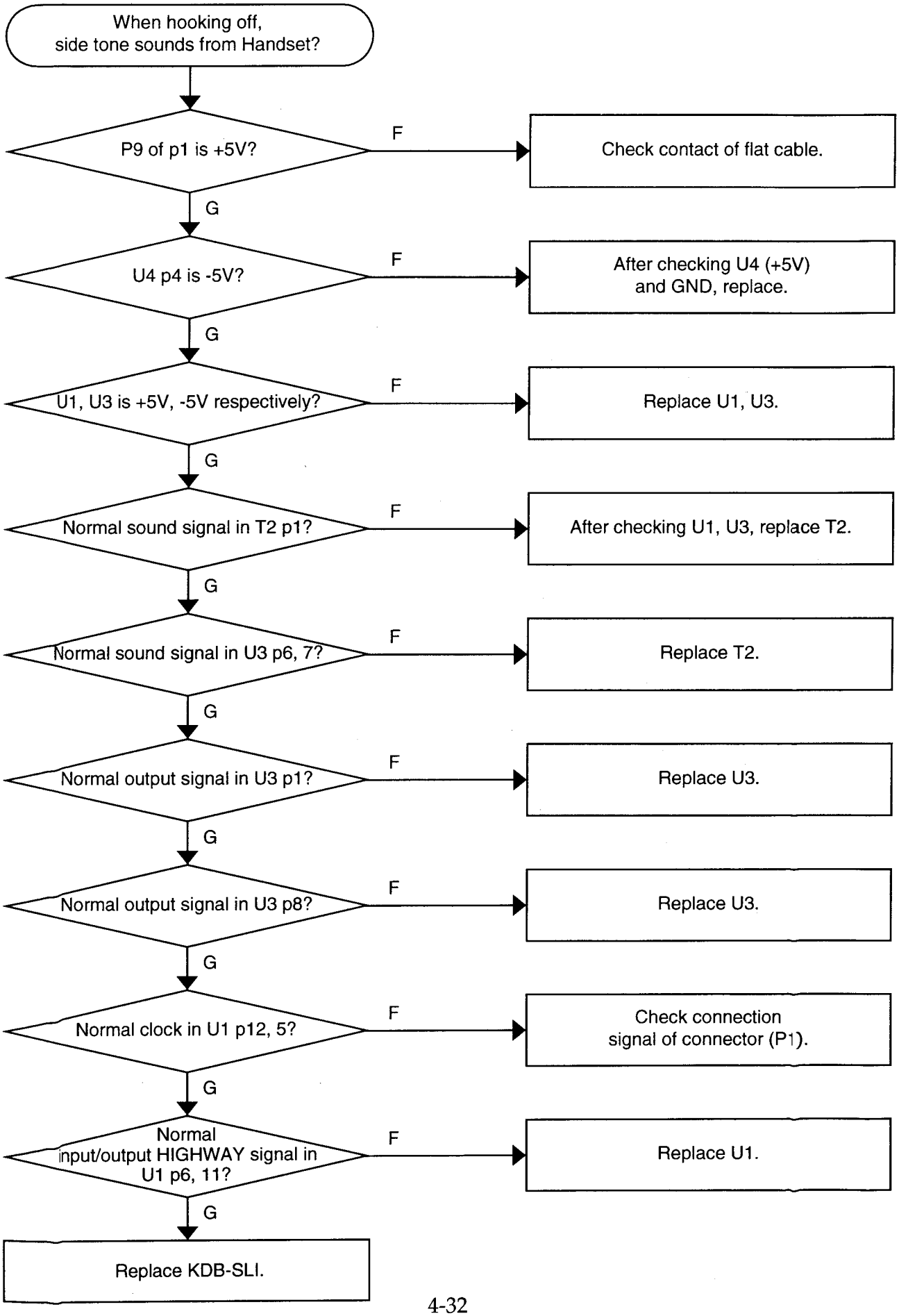
4-2-25 Abnormal Ring Operation of 2B Standardphone



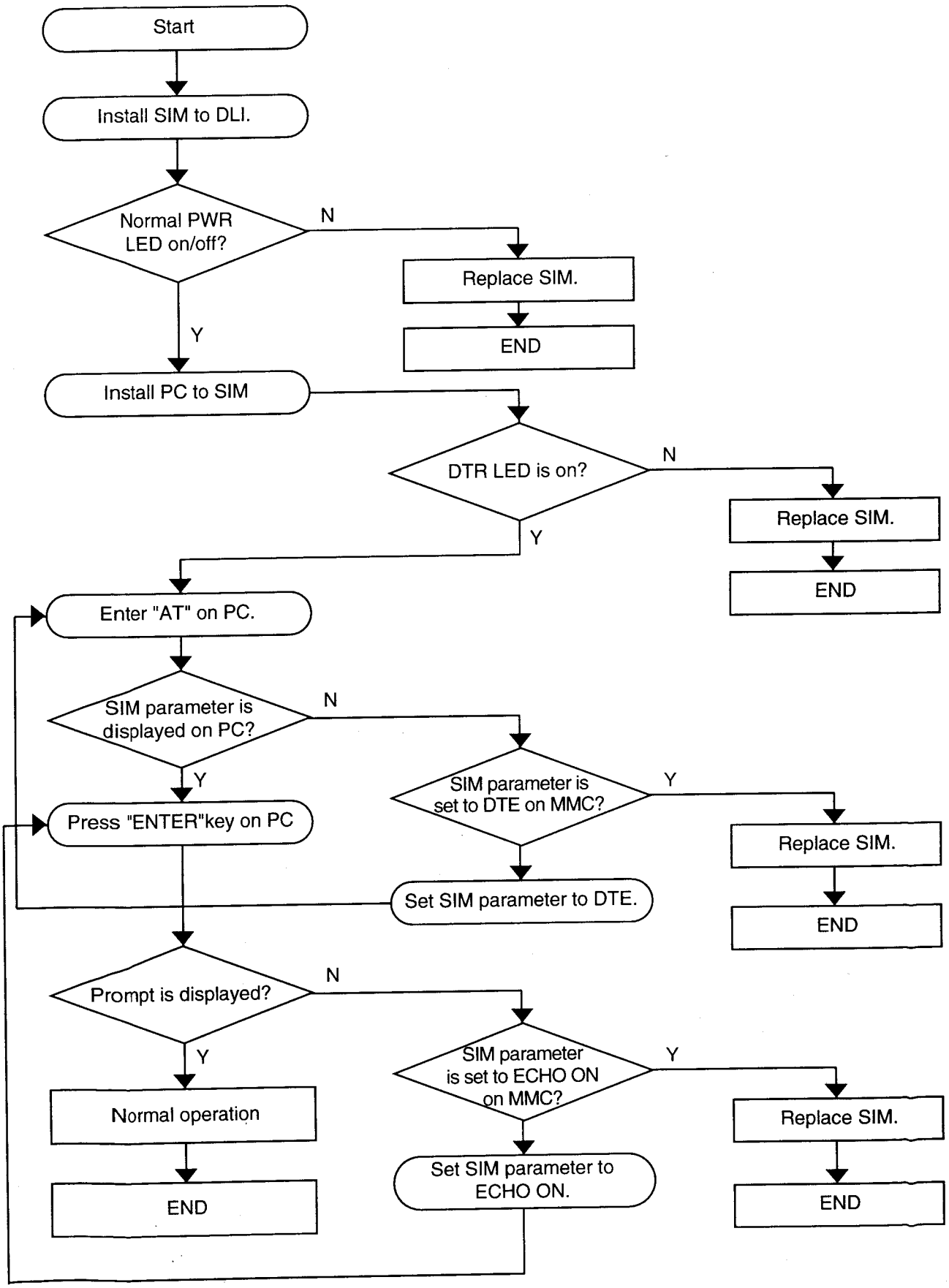
4-2-26 Abnormal Hook Detection of 2B Standardphone



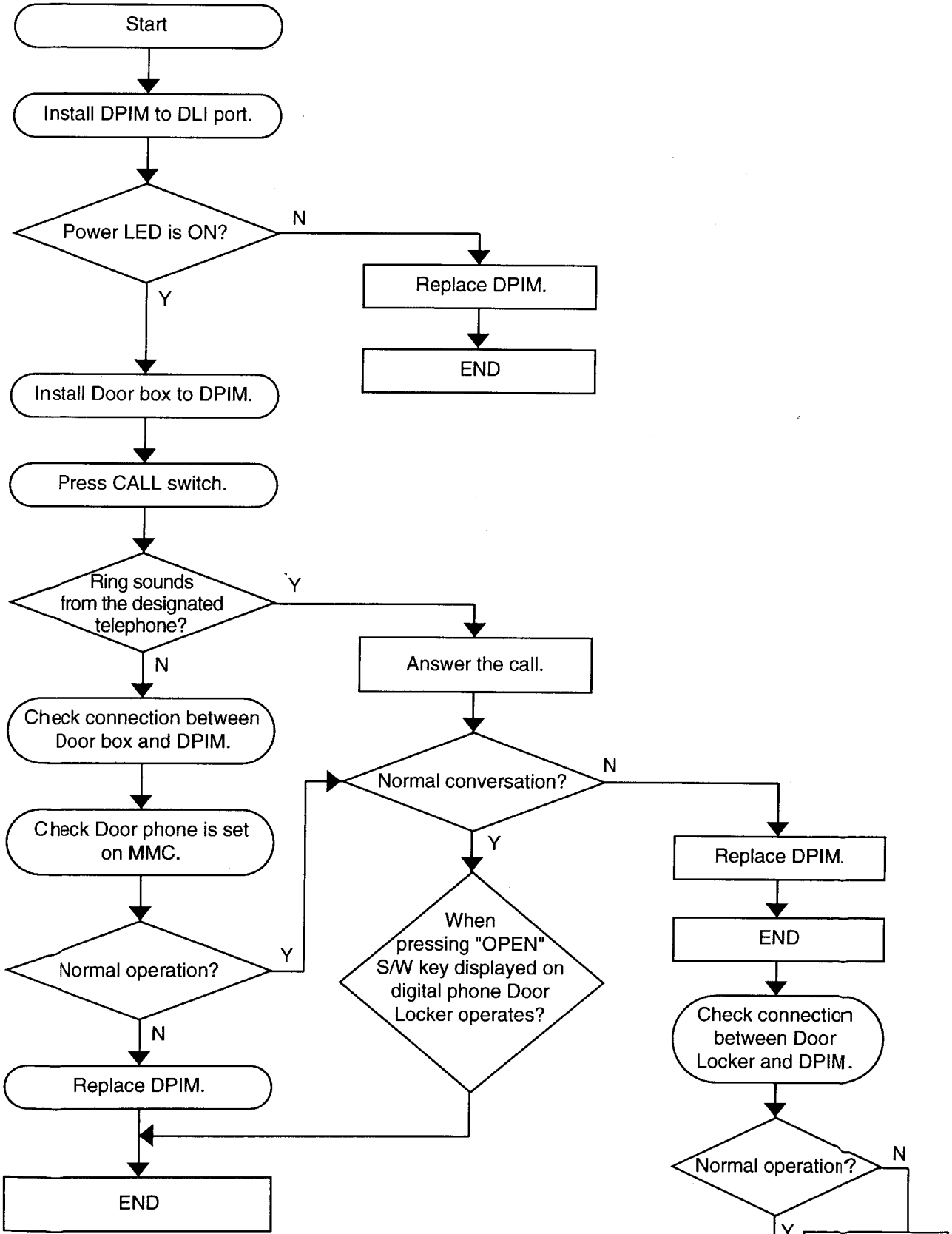
4-2-27 2B Standardphone Speech Path Failure



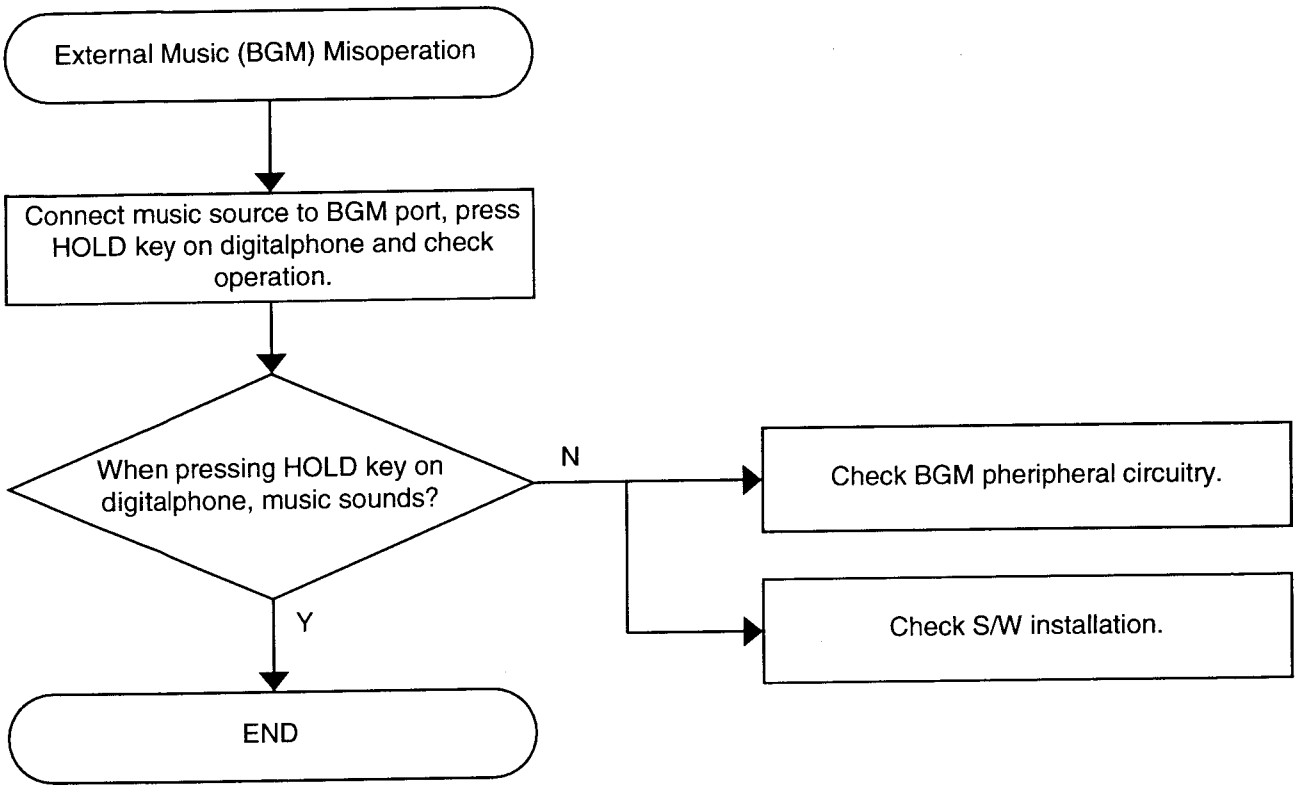
4-2-28 SIM Troubleshooting



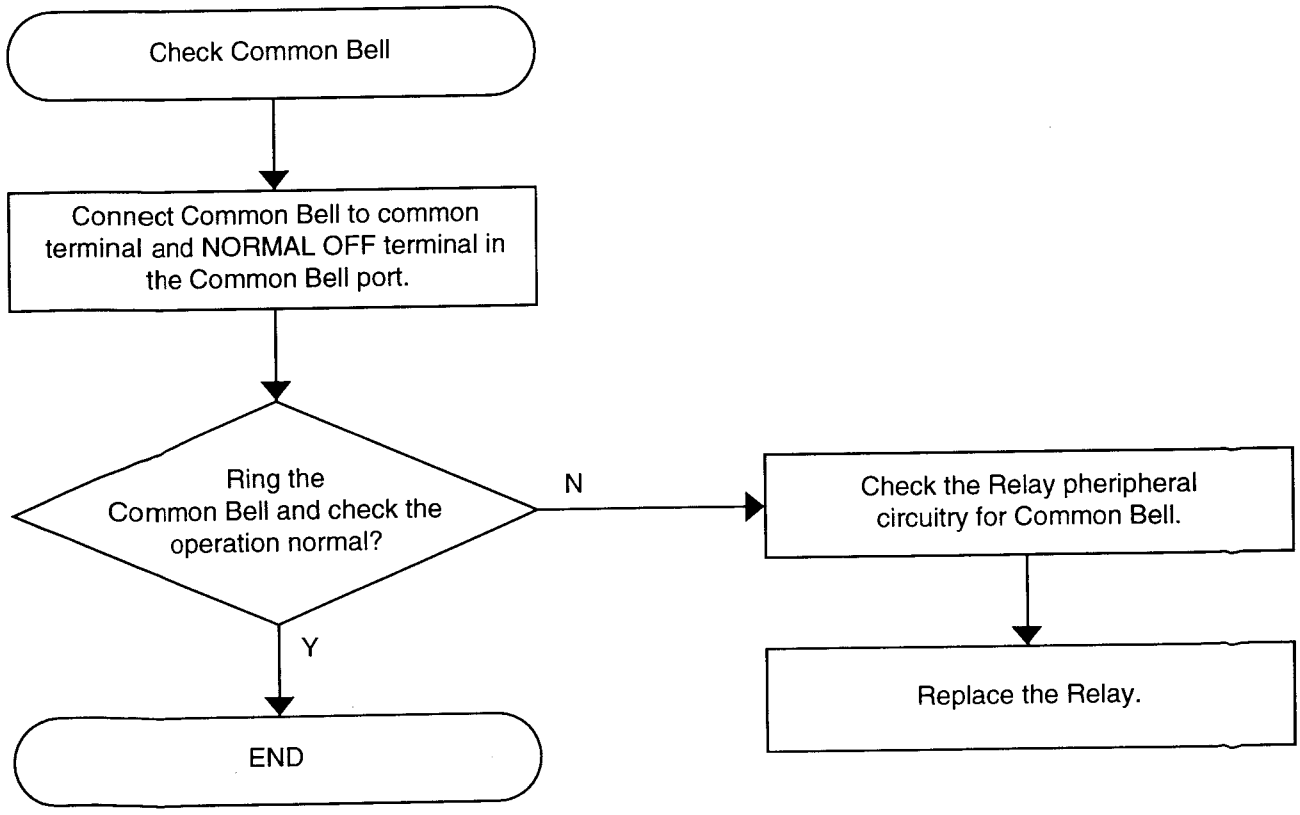
4-2-29 DPIM Troubleshooting



4-2-30 External Music Operation Failure


External Music (BGM) Misoperation
Connect music source to BGM port, press HOLD key on digitalphone and check operation.
When pressing HOLD key on digitalphone, music sounds?
N
Check BGM pheripheral circuitry.
Check S/W installation.
Y
END

4-2-31 Common Bell Operation Failure


Check Common Bell
Connect Common Bell to common terminal and NORMAL OFF terminal in the Common Bell port.
Ring the Common Bell and check the operation normal?
N
Check the Relay pheripheral circuitry for Common Bell.
Replace the Relay.
Y
END

Chapter 5

PBA Layout

5-1 408 Base B'd 5-1

5-2 4COP B'd 5-3

5-3 RAM Pack B'd 5-4

5-4 2SLI B'd 5-5

5-5 MISC B'd 5-6

5-6 EXP Base B'd 5-7

5-7 6DLI B'd 5-8

5-8 4TRK B'd 5-9

5-9 6SLI B'd 5-10

5-10 Ringer B'd 5-11

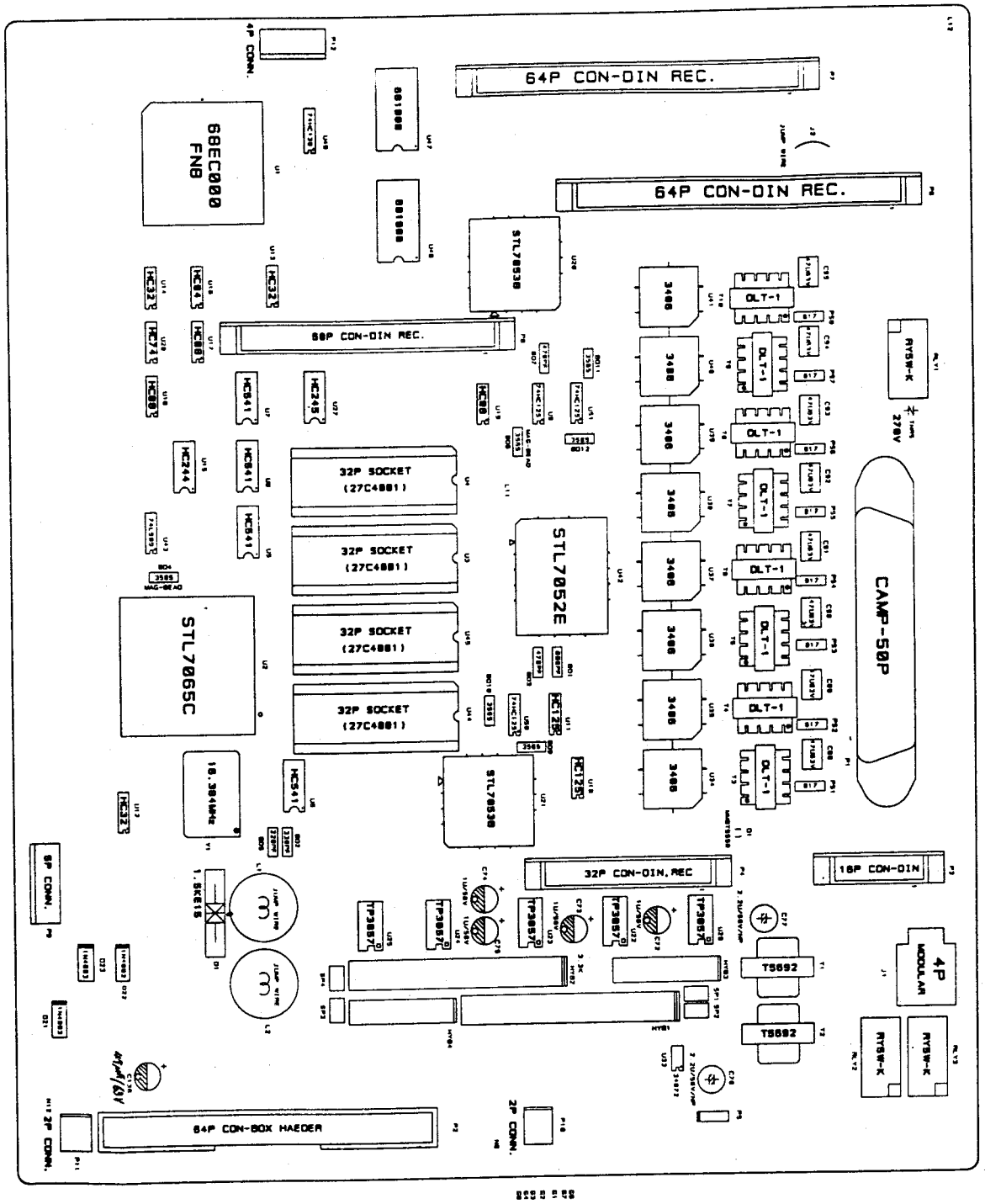
5-11 AC15 B'd..... 5-12

5-12 AA B'd 5-13

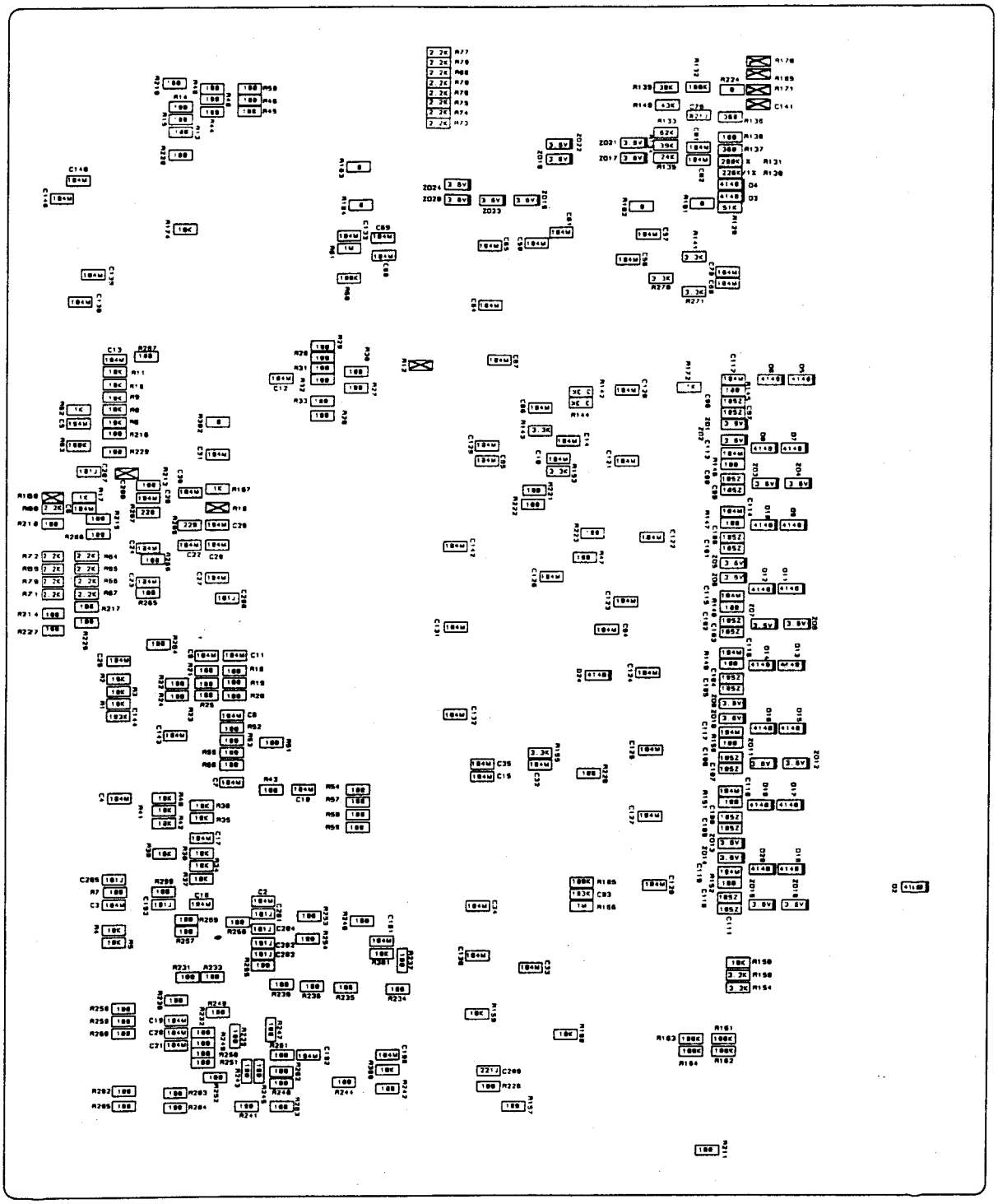
5-13 VDIAL B'd 5-14

5-1 408 Base B'd

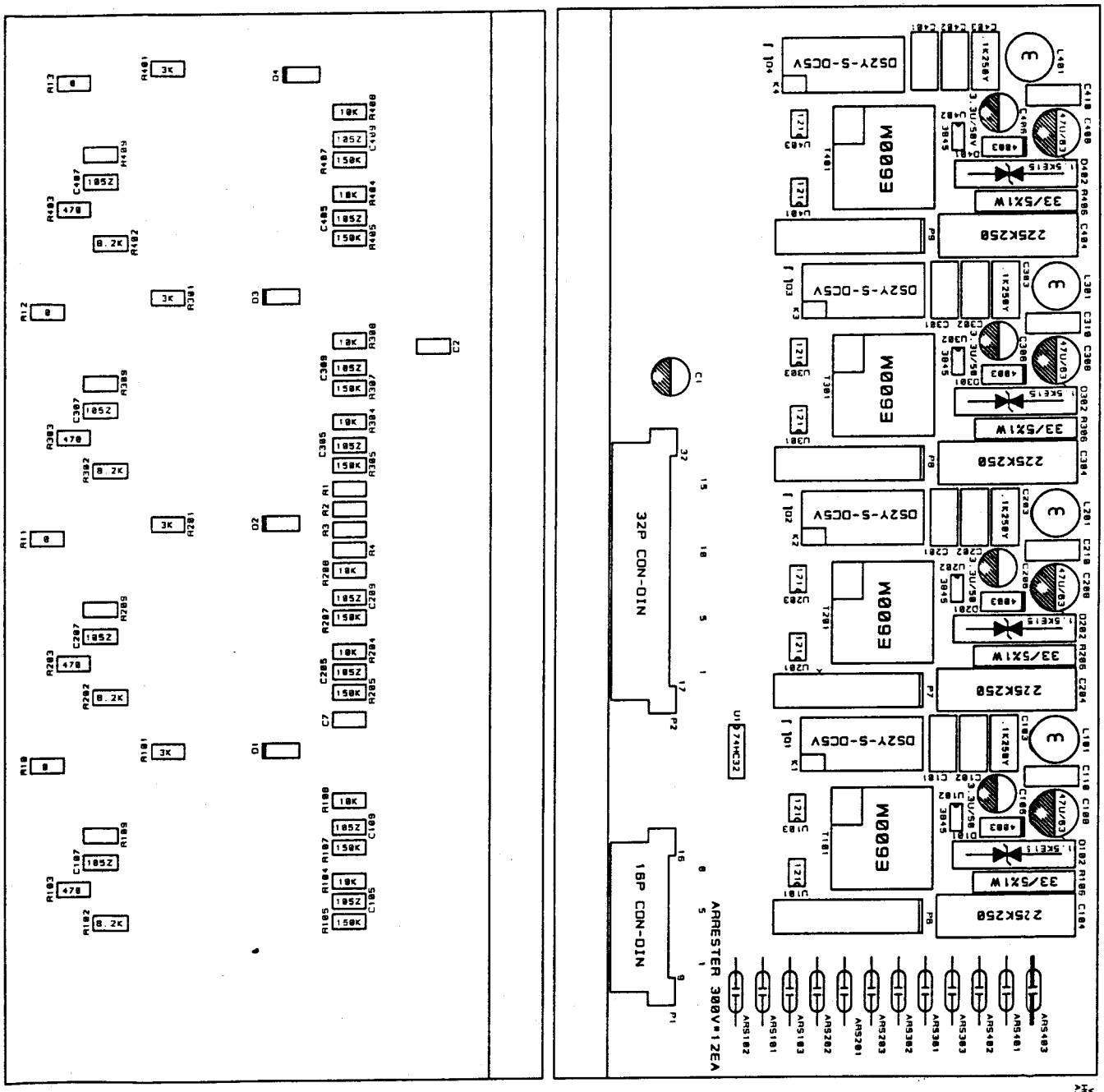
<Component Layout>



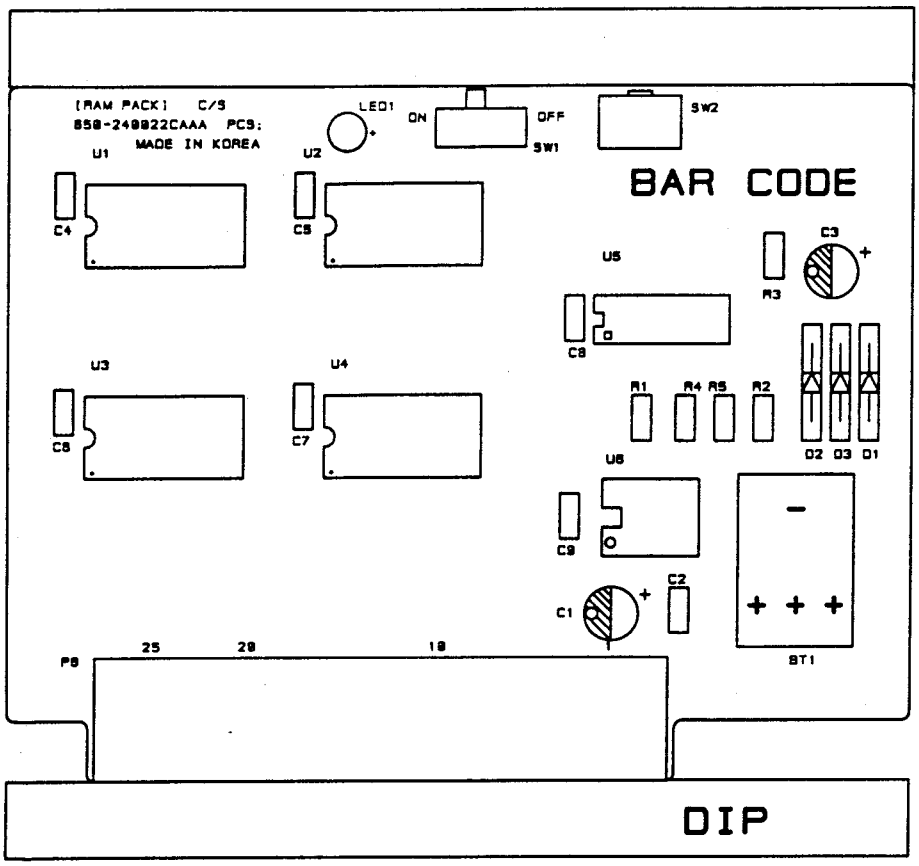
<Solder Side>



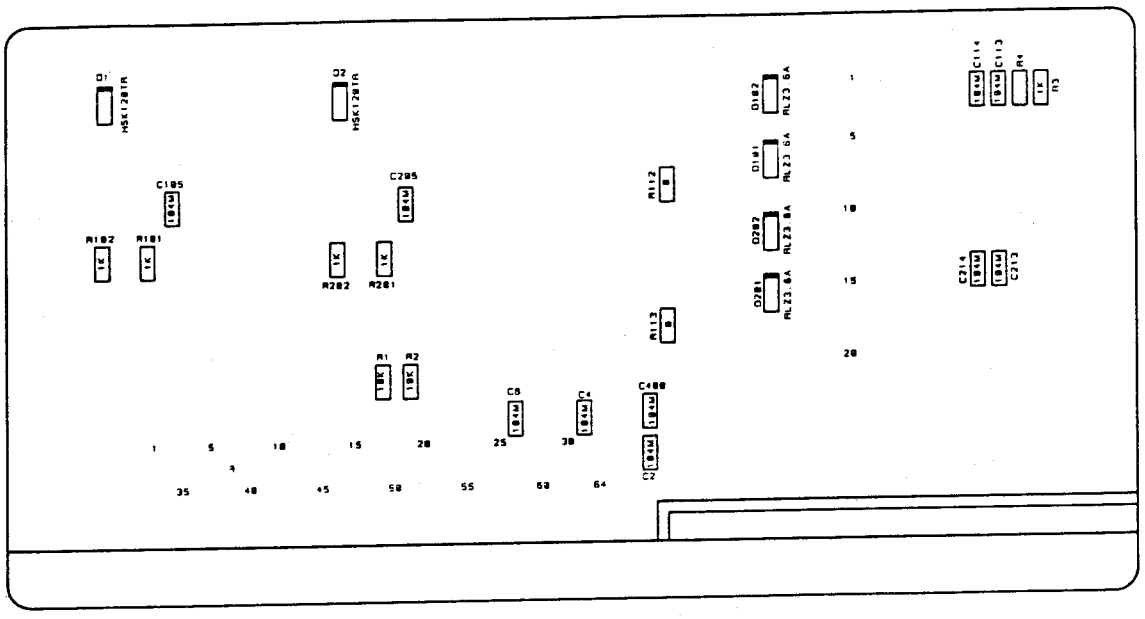
5-2 4COP B'd

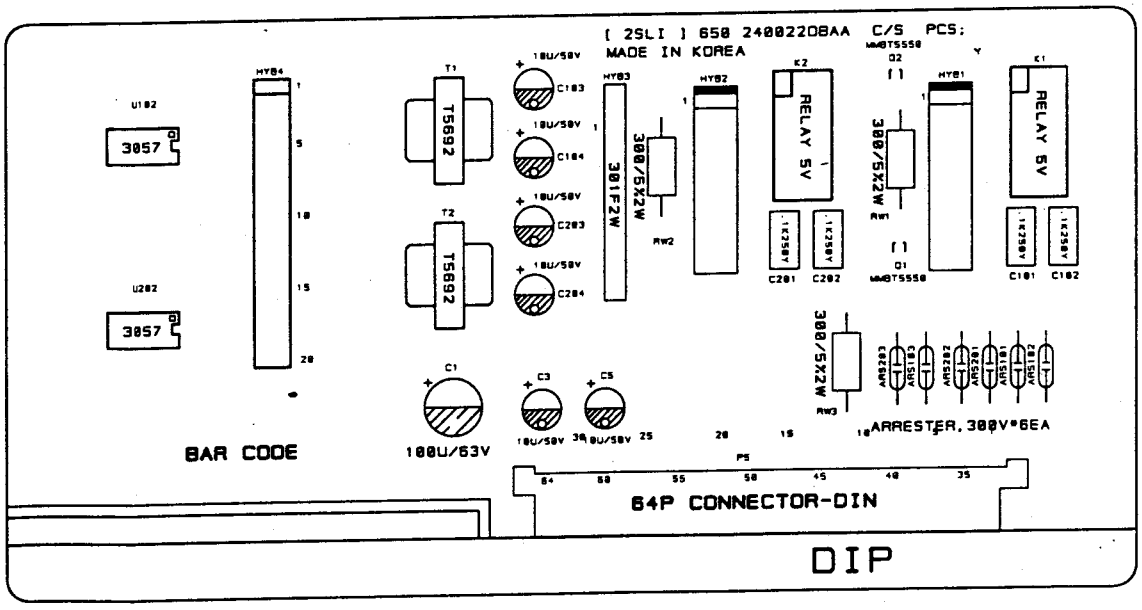

32P CON-DIN
16P CON-DIN
ARRESTER 300V*12EA
E600M
225K250
33/5X1W
OS2Y-S-DC5V

5-3 RAM Pack B'd

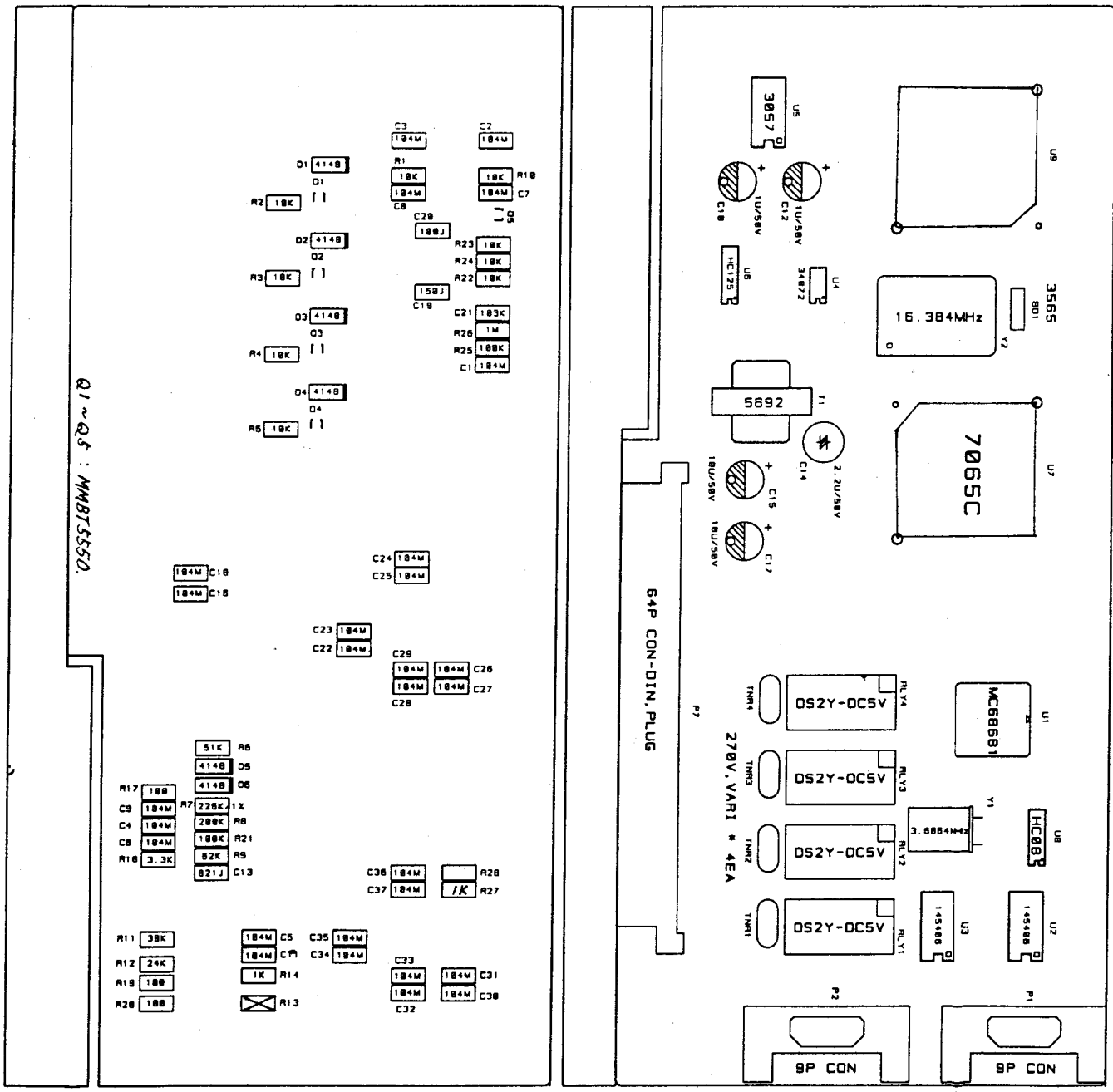


5-4 2SLI B'd

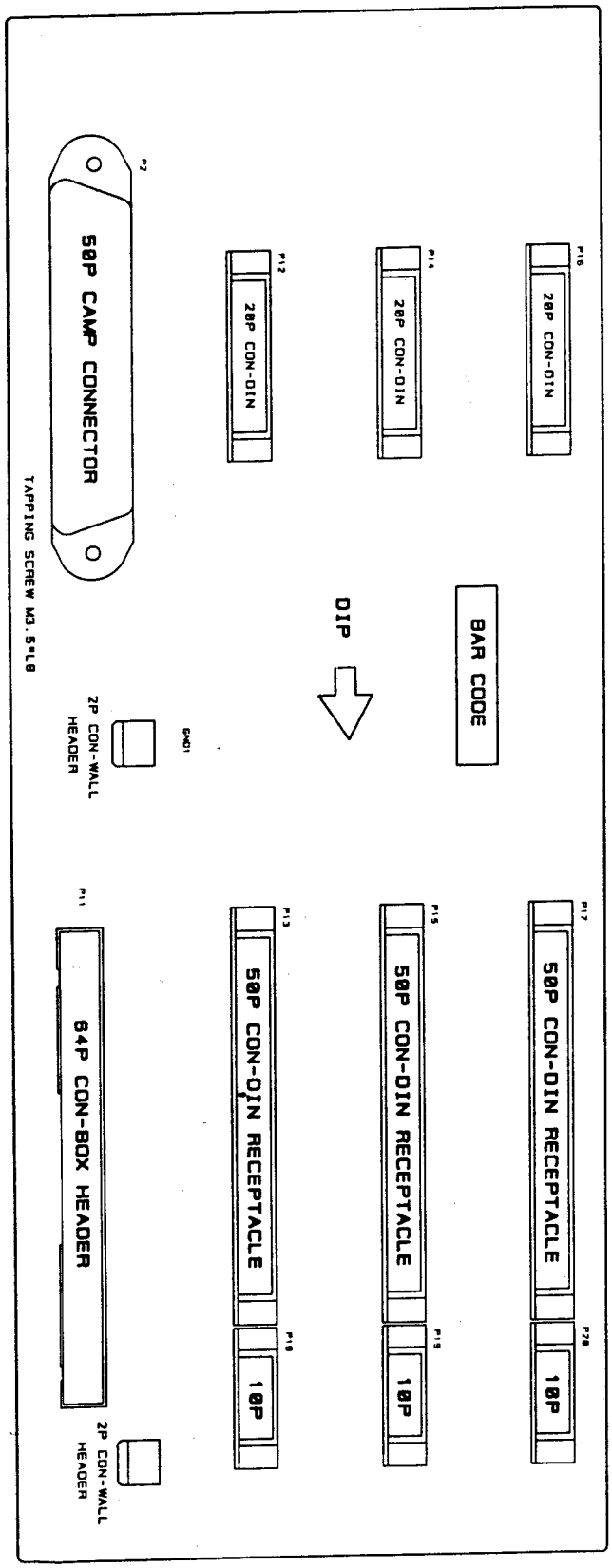



[2SLI] 650 2400220BAA C/S PCS:
MADE IN KOREA
RELAY 5V
RELAY 5V
300/5X2W
300/5X2W
300/5X2W
301F2W
T5692
T5692
3057
3057
BAR CODE
100U/63V
64P CONNECTOR-DIN
DIP

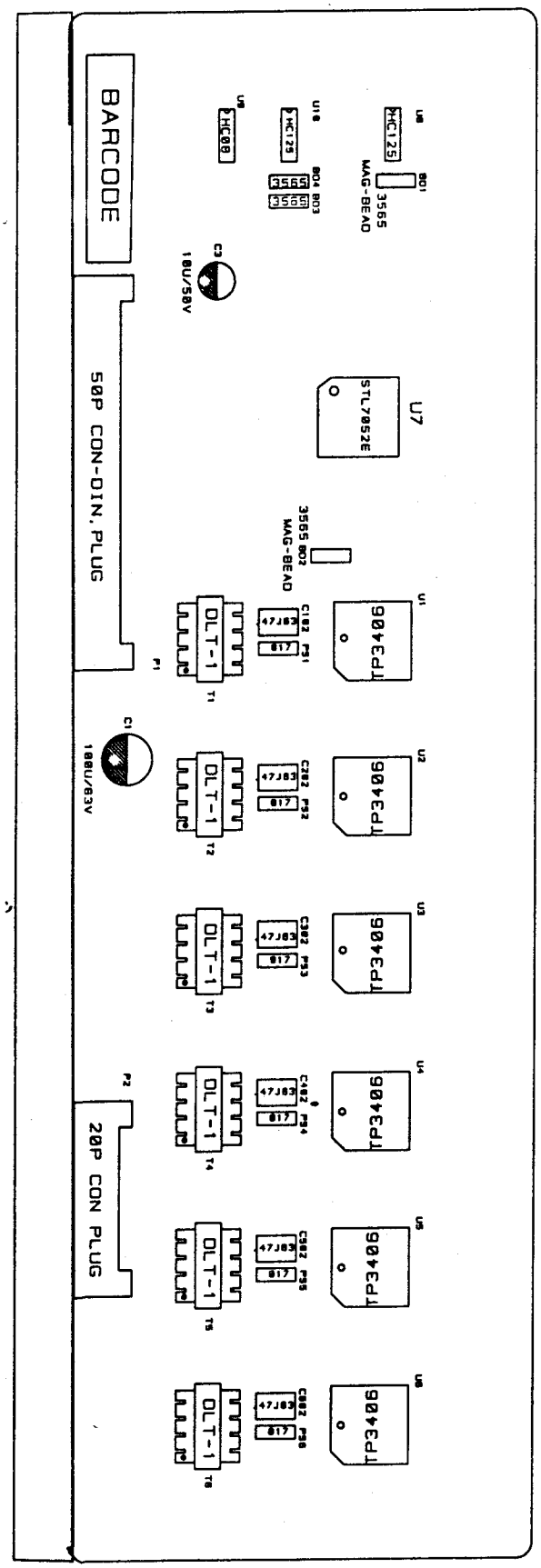
5-5 MISC B'd

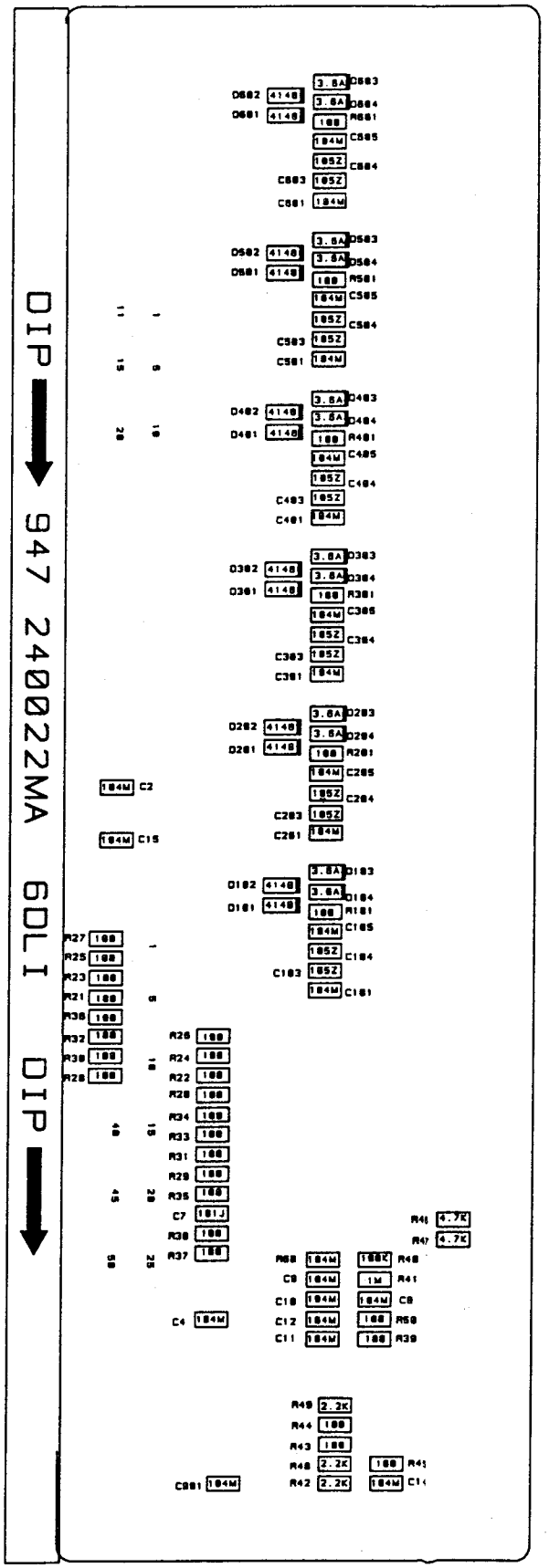

Q1~Q5 : MMBT5550
64P CON-DIN.PLUG
270V.VARI * 4EA
OS2Y-DC5V
OS2Y-DC5V
OS2Y-DC5V
OS2Y-DC5V
9P CON
9P CON
16.384MHz
5692
7065C
3565
3.6864MHz

5-6 EXP Base B'd

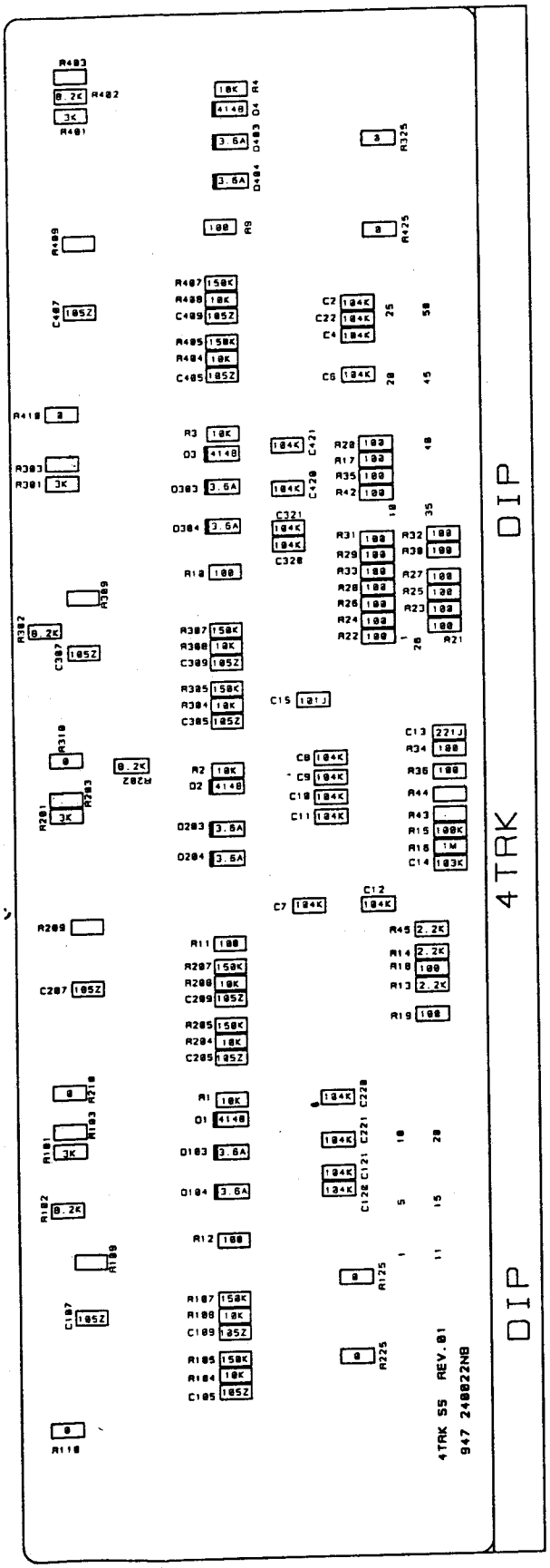


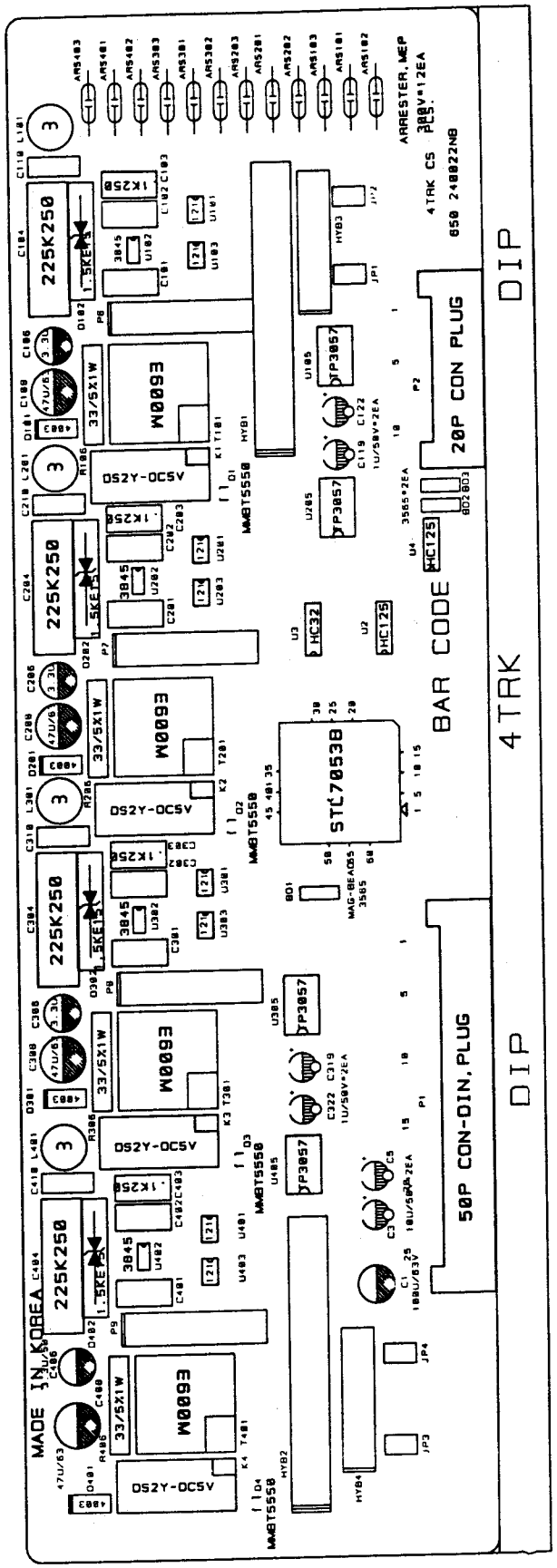
5-7 6DLI B'd


BARCODE
50P CON-DIN.PLUG
20P CON PLUG
TP3406
OLT-1
SL7052E
MAG-BEAD
HC125
HC08
3565
180U/58V
180U/63V

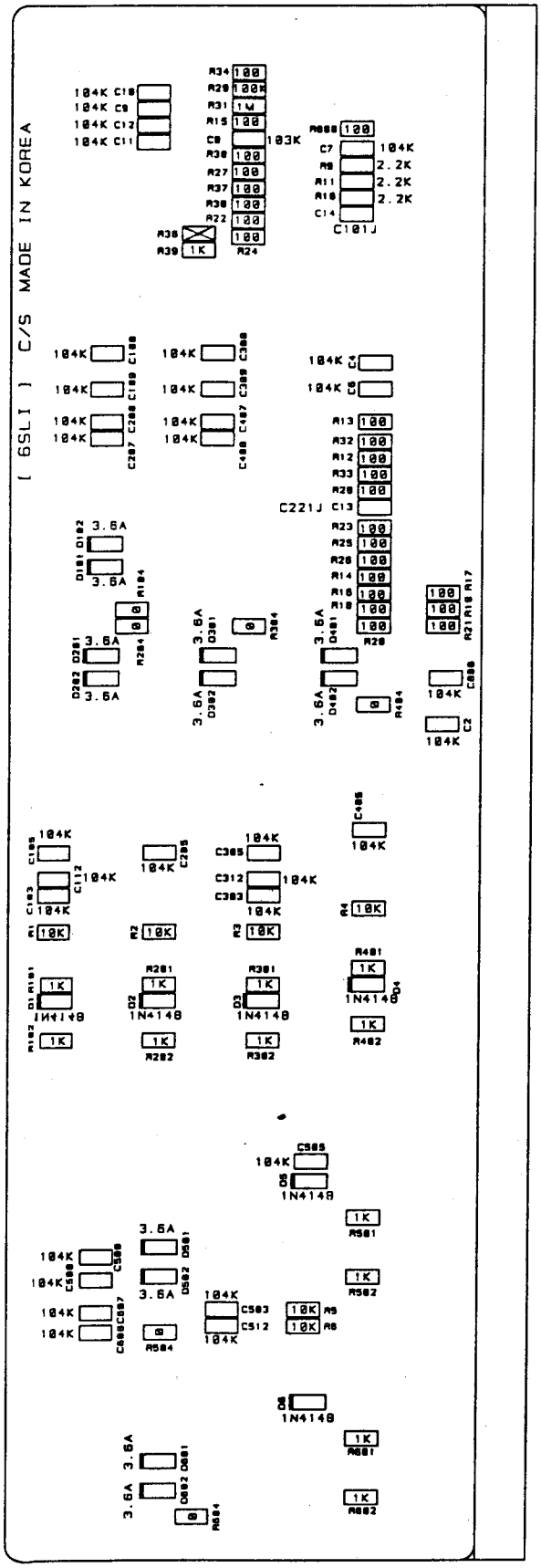

DIP
947 240022MA 6DLI
DIP

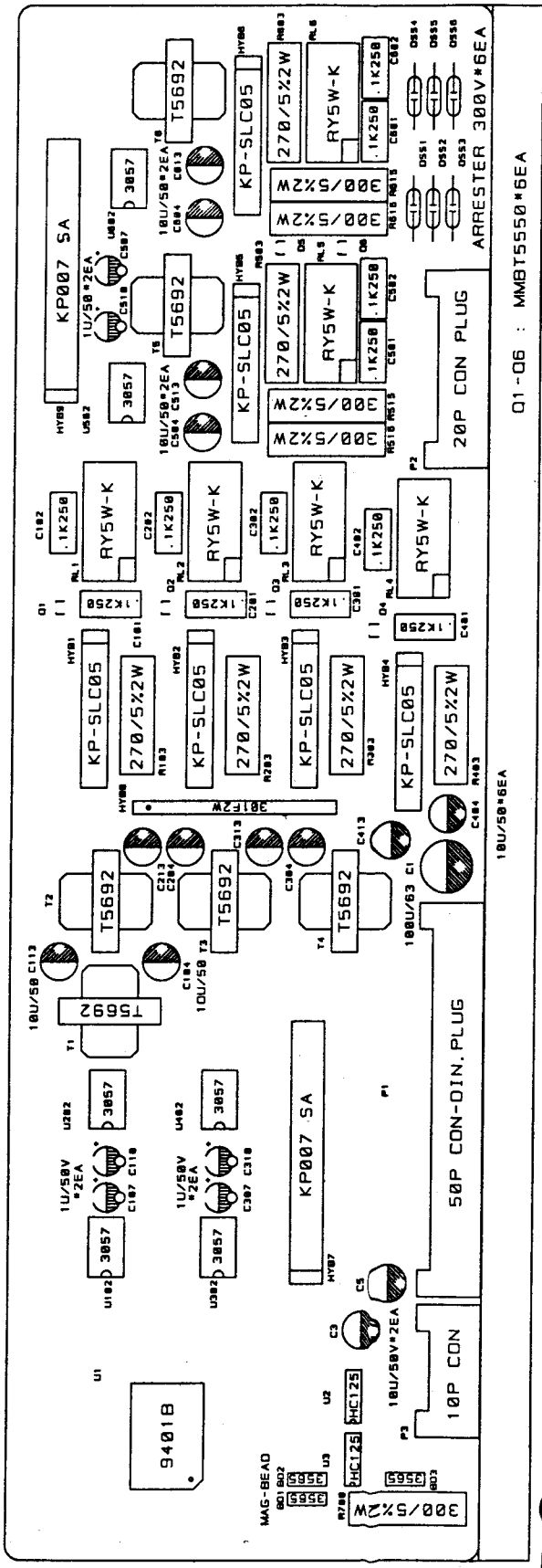
5-8 4TRK B'd


4TRK
DIP
4TRK SS REV.01
947 240822NB

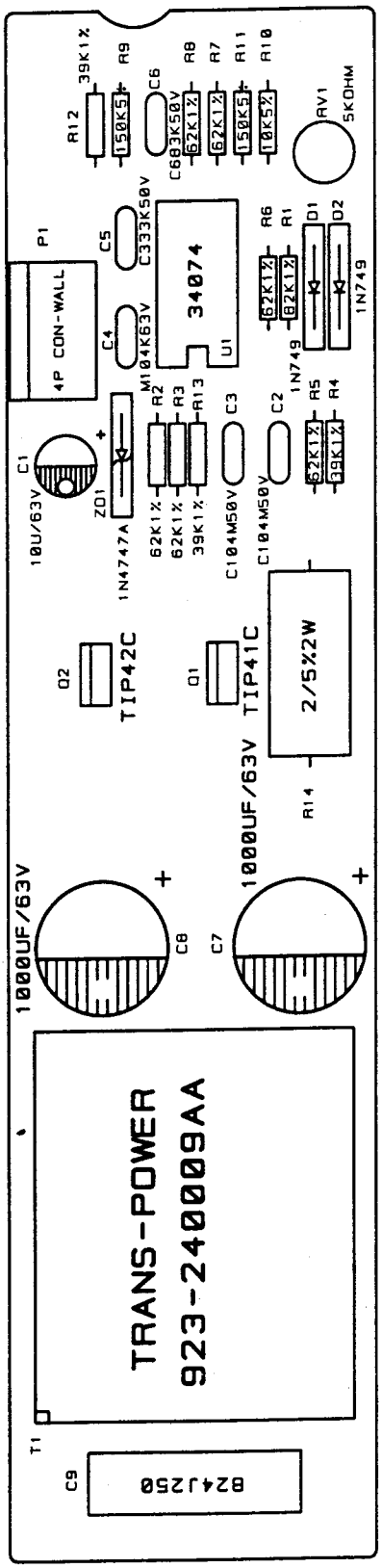

4TRK
DIP
BAR CODE
20P CON PLUG
50P CON-DIN.PLUG
MADE IN KOREA
4TRK CS REV.01
650 240822NB
225K250
W0093
DS2Y-DC5V
MMBT5550
STC70538

5-9 6SLI B'd

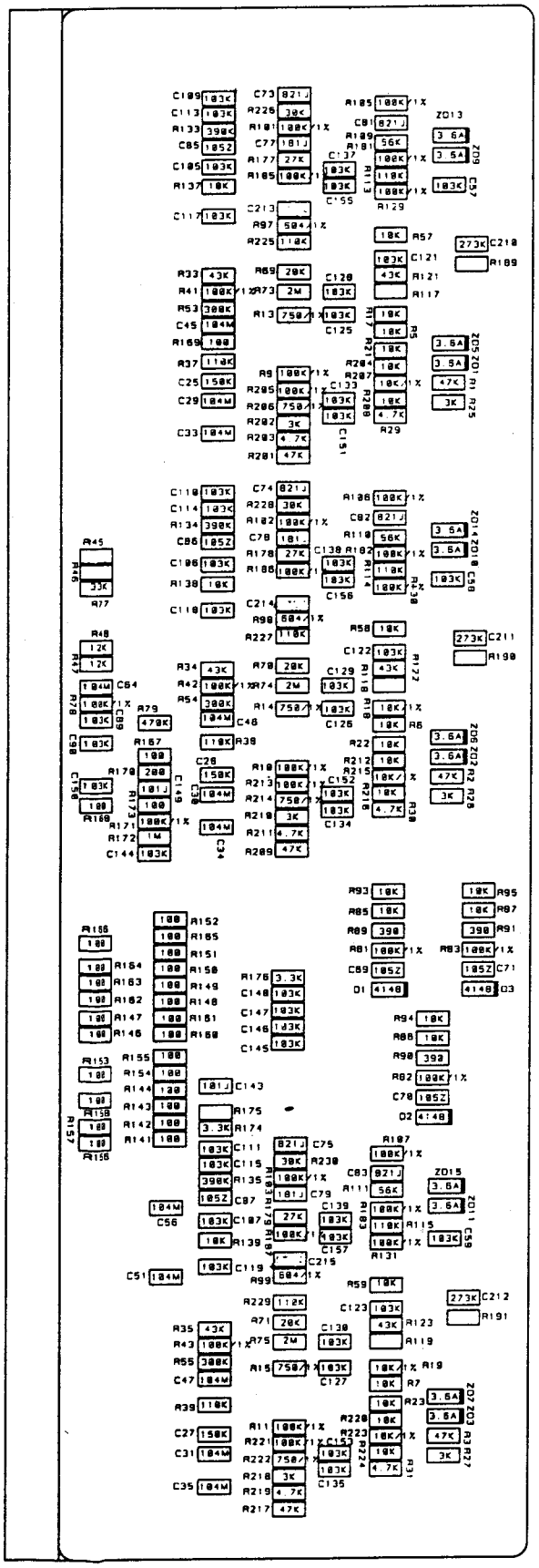

(6SLI) C/S MADE IN KOREA

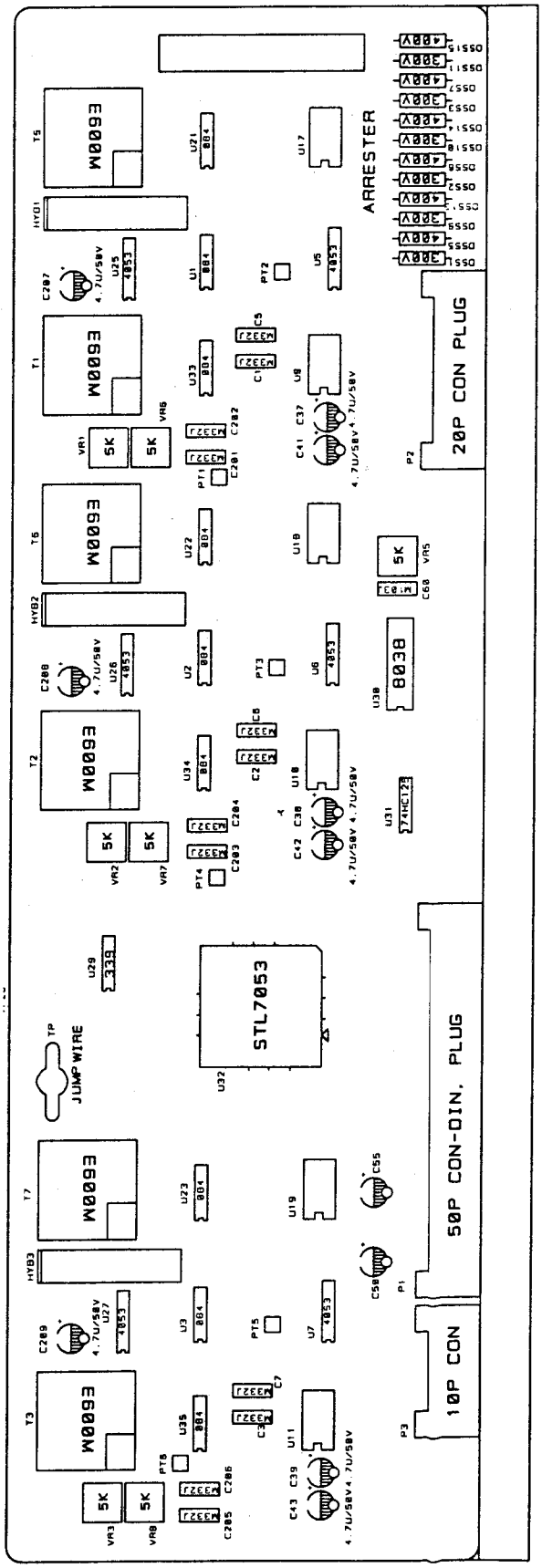

KP007 SA
KP-SLC05
RY5W-K
T5692
20P CON PLUG
50P CON-DIN.PLUG
10P CON
ARRESTER 300V*6EA
Q1-Q6 : MMBT5550*6EA
94018

5-10 Ringer B'd

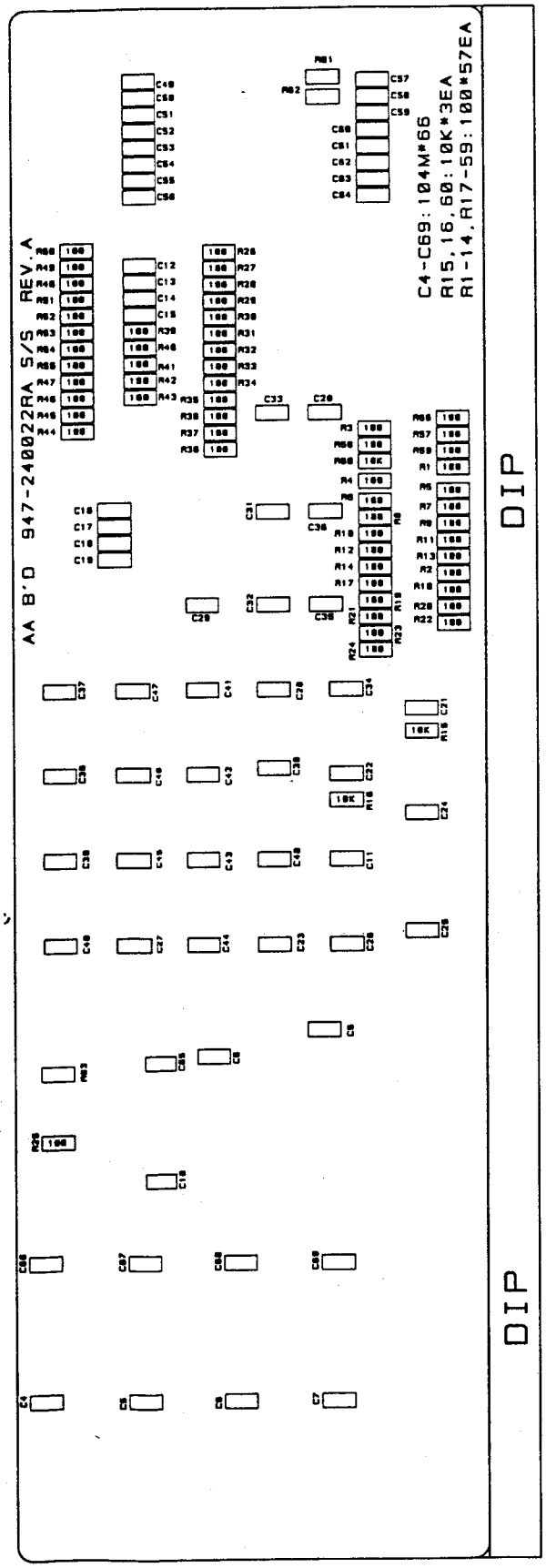


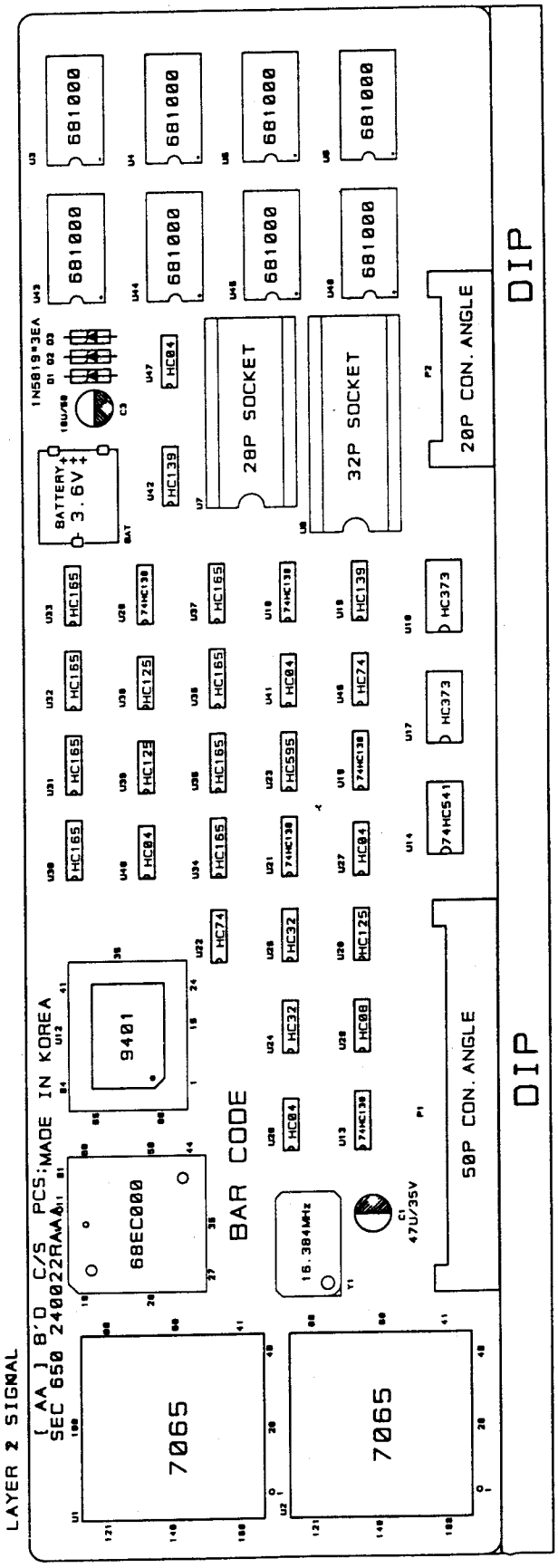
5-11 AC15 B'd



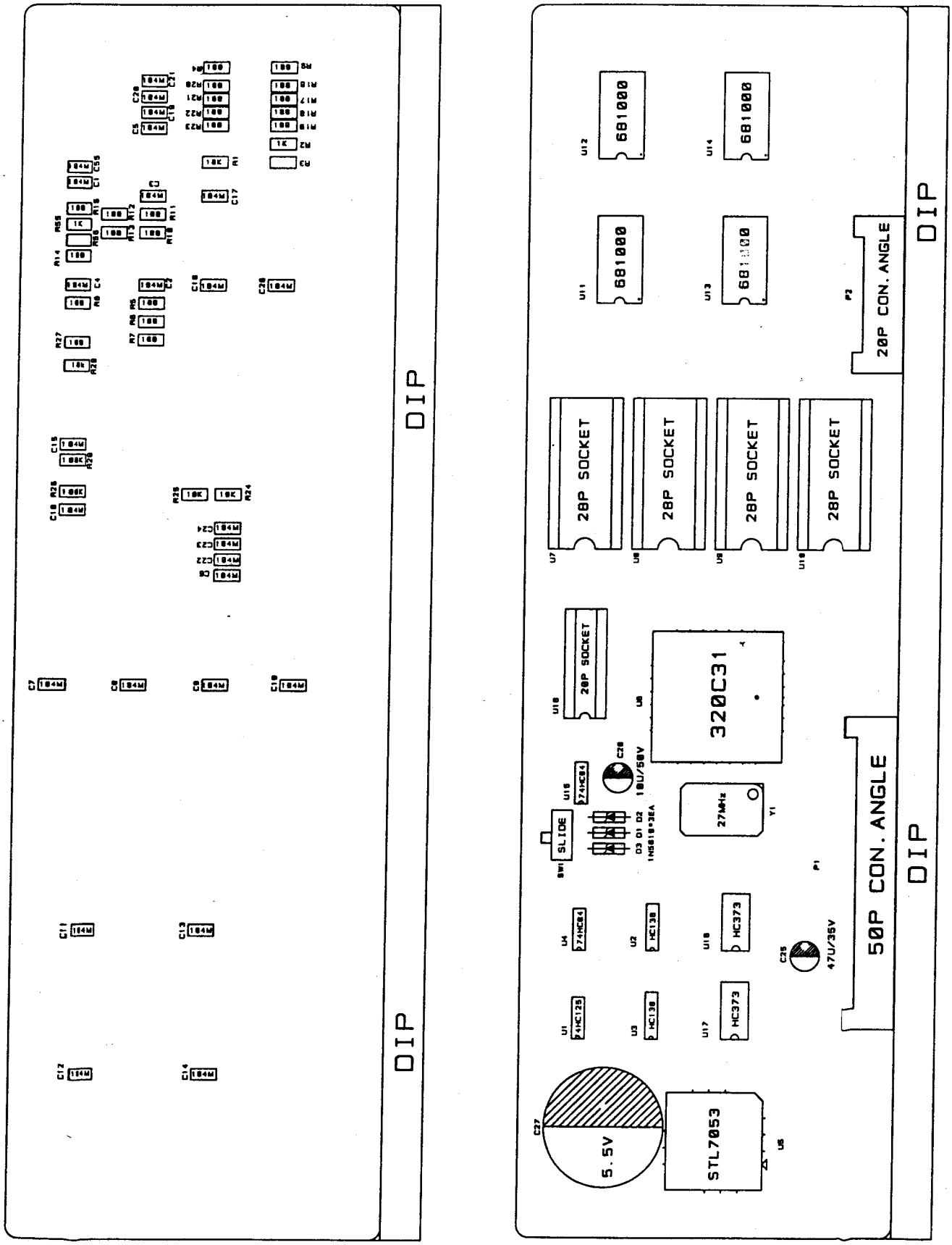

ARRESTER
20P CON PLUG
50P CON-DIN. PLUG
10P CON
JUMP WIRE
STL7053
8038
74HC125
W0093M

5-12 AA B'd


LAYER 4 SILK
AA B'D 947-240022RA S/S REV.A
C4-C69:104M*66
R15,16,60:10K*3EA
R1-14,R17-59:100*57EA
DIP
DIP


LAYER 2 SIGNAL
(AA) B'D C/S PCS:MADE IN KOREA
SEC 650 240022RAAA
BAR CODE
9401
68EC000
7065
7065
681000
28P SOCKET
32P SOCKET
20P CON. ANGLE
50P CON. ANGLE
BATTERY
3.6V
DIP
DIP

5-13 VDIAL B'd


DIP
DIP
681000
681000
681000
681000
20P CON. ANGLE
28P SOCKET
28P SOCKET
28P SOCKET
28P SOCKET
28P SOCKET
320C31
50P CON. ANGLE
27MHz
SLIDE
74HC04
74HC125
74HC138
74HC138
74HC373
74HC373
STL7053
5.5V
47U/35V
DIP

Chapter 6

Parts List

6-1 408 BASE

6-1-1 KP24D-M

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA39-10087A	CBF-POWER CORD:DCS COMP,	1	
GA68-11492A	LABEL(P)-SERIAL BEL:SKP-2	1	
GA68-30663A	LABEL(R)-CAUTION:DCS COMP	1	
GA68-60666A	MAN(BOOK)-INSTAL:DCS_COMI	1	
GA92-00033A	PBA:COMPACT_EURO,4COP,NIM	1	
GA26-50068A	TRANS-MATCHING,DCS:MATCH	4	T101,201,301,401
GA94-00033A	PRA:COMPACT_E,4COP,AUT,NI	1	AUT
GA41-10008A	PCB:COMPACT EURO 4COP/E,F	1	PCB,REV.01
0401-000128	DIODE-SWITCHING:HSK120,60	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD103,104,203,204
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD303,304,403,404
0501-000477	TR-SMALL SIGNAL:MMBT5550,	4	Q1-4
0604-001002	PHOTO-COUPLER:TR,100-600%	5	U101,103,201,203,301
0604-001002	PHOTO-COUPLER:TR,100-600%	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR G	1	U1
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R10-13
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R304,308,404,408
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R104,108,204,208
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R1-4
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000568	R-CHIP:220Kohm,5%,1/8W,DA	4	R109,209,309,409
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000478	C-CERAMIC,CHIP:1uF,+80-20	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-20	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-20	2	C407,409
2203-001452	C-CERAMIC,CHIP:100nF,20%,	2	C2,7
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	1	C1
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
4715-000127	SURGE ABSORBER:300V,15%,5	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,5	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,5	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000276	R-METAL OXIDE:33ohm,5%,1W	4	R106,206,306,406
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C101,102,201,202
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C301,302,401,402
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000475	C-FILM,MPEF:820nF,10%,250	4	C104,204,304,404
3501-000210	RELAY-MINIATURE:5V,98mW,2	4	K1-4
3703-000118	CONNECTOR-DIN:16P,2R,MALE	1	P1

3703-000149	CONNECTOR-DIN:32P,2R,MALE	1	P2
3704-001001	SOCKET-IC:8P,SIP,SN,2.54m	4	P6,7,8,9
GA92-01024A	PBA-RAMPACK1:DCS COMPAC	1	
GA94-00928A	PRA-RAMPACK1:DCS COMPAC	1	AUT
GA41-10365A	PCB-RAMPACK:DCS COMPACT	1	PCB
0402-000165	DIODE-RECTIFIER:1N5819,40	3	D1-3
0909-000105	IC-REAL TIME CLOCK:72423,	1	U5
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U1,2
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	2	R3,4
2007-000725	R-CHIP:300Kohm,5%,1/8W,DA	1	R1
2007-000768	R-CHIP:330ohm,5%,1/8W,DA,	1	R5
2007-001203	R-CHIP:820ohm,5%,1/8W,DA,	1	R2
2203-001452	C-CERAMIC,CHIP:100nF,20%,	5	C2,4,5,8,9
0601-000243	LED:ROUND,RED,3.1mm,700nm	1	LED1
1202-000138	IC-VOLTAGE COMP.:1232,DIP	1	U6
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C1,3
3404-000115	SWITCH-TACT:12V,50mA,130g	1	SW2
3408-000230	SWITCH-SLIDE:30V,300mA,DP	1	SW1
3703-000179	CONNECTOR-DIN:50P,2R,MALE	1	P8
4302-000126	BATTERY-NICD(2ND):3.6V;1.	1	BT1
GA92-01086A	PBA-RINGER,EUROPE:DCS CO	1	
GA26-30071A	TRANS-POWER:TT-308H,7V//7	1	T1
GA39-40099A	CBF-HARNESS:-,-,UL1015,13	1	P1
GA62-30501A	HEAT SINK-TR:SKP-24D,A606	2	HS1,2
GA94-00986A	PRA-RINGER,EURO:DCS COMP	1	AUT
GA41-10387A	PCB-RINGER,TARGET II:SKP-	1	PCB
0403-000154	DIODE-ZENER:1N4747A,20V,5	1	ZD1
0403-000223	DIODE-ZENER:1N749A,4.3V,5	2	D1,2
2004-000216	R-METAL:10Kohm,1%,1/4W,AA	1	R10
2004-000327	R-METAL:150Kohm,1%,1/4W,A	2	R9,11
2004-000861	R-METAL:39Kohm,1%,1/4W,AA	3	R4,12,13
2004-001164	R-METAL:62Kohm,1%,1/4W,AA	6	R2,3,R5-8
2004-001296	R-METAL:82Kohm,1%,1/4W,AA	1	R1
2301-000332	C-FILM,PEF:100nF,5%,50V,T	2	C2,3
2301-000350	C-FILM,PEF:33nF,5%,50V,TP	1	C5
2301-000360	C-FILM,PEF:68nF,5%,50V,TP	1	C6
2401-000499	C-AL:10uF,20%,63V,GP,6.3*	1	C1
0502-000360	TR-POWER:TIP42C,PNP,2W,TO	1	Q2
0502-000392	TR-POWER:TIP41,NPN,2W,TO-	1	Q1
1201-000252	IC-OP AMP:34074,DIP,14P,3	1	U1
2003-000245	R-METAL OXIDE:2ohm,5%,2W,	1	R14
2103-000474	VR-SEMI:5Kohm,10%,1/2W,TO	1	RV1
2305-000475	C-FILM,MPEF:820nF,10%,250	1	C9
2305-000559	C-FILM,MPEF:100nF,10%,63V	1	C4
2401-001430	C-AL:470uF,20%,50V,GP,13*	2	C7,C8
3711-000236	CONNECTOR-HEADER:1WALL,4	1	P1
6006-000130	SCREW-ASS'Y MACH:WS,PH,+,	2	Q1,2
6021-000222	NUT-HEX:2C,M3,ZPC(YEL),SM	2	Q1,2
GA92-01572A	PBA-408BASE PCB:COMP EUR	1	
EC26-20501A	TRANS-AF:INFOREX,-,800mH	2	T1,T2

GA13-10567A	IC-HYB:TARGET,KP0053SA,SI	2	HYB1,2
GA26-10053A	TRANS-PULSE:DGP 360,144//	8	T3-T10
GA94-01263A	PRA-408BASE AUTO:COMP EU	1	AUT1
GA13-10051A	IC-ASIC:DCS,STL7052E,QFP,	1	U42
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	2	U20,21
GA13-10064A	IC-ASIC:DCS,STL7065C,QFP,	1	U2
GA41-10362A	PCB-408BASE,TARGET:SKP-5(	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	1	SBT1
0401-000128	DIODE-SWITCHING:HSK120,60	20	D2-20,24
0402-000305	DIODE-RECTIFIER:RLR4003,2	3	D21-23
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	24	ZD1-16,ZD17-24
0501-000477	TR-SMALL SIGNAL:MMBT5550,	1	Q1
0801-000388	IC-CMOS LOGIC:74HC08,AND	3	U17-19
0801-000397	IC-CMOS LOGIC:74HC04,INVE	1	U16
0801-000411	IC-CMOS LOGIC:74HC32,OR G	2	U13-14
0801-000431	IC-CMOS LOGIC:74ACT32,OR	1	U12
0801-000455	IC-CMOS LOGIC:74HC74,D FL	1	U28
0801-000642	IC-CMOS LOGIC:74HC138,3-T	1	U49
0801-000696	IC-CMOS LOGIC:74HC245,TRA	1	U27
0801-000702	IC-CMOS LOGIC:74HC125,BUF	5	U9-11,50,51
0801-000716	IC-CMOS LOGIC:74HC541,BUF	4	U5-8
0801-000945	IC-CMOS LOGIC:74HC244,BUF	1	U15
0803-000842	IC-TTL:74LS09,AND GATE,SO	1	U43
0902-000234	IC-MICROPROCESSOR:68EC00(	1	U1
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U47,U48
1201-000197	IC-OP AMP:34072,SOP,8P,15	1	U33
1205-000394	IC-CODEC/FILTER:TP3057WM,	5	U22-26
1205-000443	IC-RASL:TP3464N,PLCC,28P,	8	U34-41
1404-000126	THERMISTOR:4.85ohm,-,-,-,	8	PS1-8
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	6	R224,R101-104,R203
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	8	R60,63,132,R161-165
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	5	R221,223,R226-228
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R43-59,R138,R145-152
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R157
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	7	R255,256,R265-269
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R222
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	6	R81,82,R84-87
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	13	R208-220
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R7
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	12	R272-283
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	18	R13-15,R18-29,R31-33
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	6	R158-160,174,300,301
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	19	R1-6,R8-11,R34-42
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R172
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	3	R167,17,62
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	2	R61,166
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	17	R64-80
2007-000531	R-CHIP:200Kohm,1%,1/8W,DA	1	R131
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	5	R206,207,225,229,83
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	29	R230-252,R258-263

2007-000580	R-CHIP:226Kohm,1%,1/8W,DA	1	R130
2007-000617	R-CHIP:24Kohm,5%,1/8W,DA,	1	R135
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	8	R141-144,R153-156
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	2	R270,271
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA,	1	R139
2007-000800	R-CHIP:360ohm,5%,1/8W,DA,	2	R136,137
2007-000834	R-CHIP:39Kohm,5%,1/8W,DA,	1	R134
2007-000906	R-CHIP:430ohm,5%,1/8W,DA,	3	R202,204,205
2007-000914	R-CHIP:43Kohm,5%,1/8W,DA,	1	R140
2007-001011	R-CHIP:51Kohm,5%,1/8W,DA,	1	R129
2007-001099	R-CHIP:62Kohm,5%,1/8W,DA,	1	R133
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	8	C201-208
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	3	C193,35,36
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	5	C83,144,145,147,194
2203-000478	C-CERAMIC,CHIP:1uF,+80-20	16	C96-111
2203-001005	C-CERAMIC,CHIP:47pF,5%,50	8	C38-45
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C138-140
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C84-87
2203-001452	C-CERAMIC,CHIP:100nF,20%,	2	C142,143
2203-001452	C-CERAMIC,CHIP:100nF,20%,	22	C112-133
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C146,C190-192
2203-001452	C-CERAMIC,CHIP:100nF,20%,	8	C64-65,C68-69,C79-82
2203-001452	C-CERAMIC,CHIP:100nF,20%,	37	C2-34,C56-58,C61
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C37,46,47
2203-001501	C-CERAMIC,CHIP:820pF,5%,5	1	C76
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C72-75
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C134,135
2401-000649	C-AL:2.2uF,20%,50V,BP,6*1	2	C77,78
2901-000177	FILTER-EMI ON BOARD:50V,1	1	BD5
2901-000191	FILTER-EMI ON BOARD:50V,1	1	BD1
2901-000192	FILTER-EMI ON BOARD:50V,1	2	BD3,7
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD2
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	5	BD4,BD9-12
1405-000130	VARISTOR:270V,1200A,9x4.6	1	TNR5
2305-000587	C-FILM,MPEF:470nF,10%,63V	8	C88-95
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C136
2804-000146	OSCILLATOR-CLOCK:16.384MH	1	Y1
3501-000210	RELAY-MINIATURE:5V,98mW,2	3	RLY1-3
3702-000172	CONNECTOR-RIBBON:50P,FEM	1	P1
3703-000117	CONNECTOR-DIN:16P,2R,FEMA	1	P3
3703-000144	CONNECTOR-DIN:32P,2R,FEMA	1	P4
3703-000176	CONNECTOR-DIN:50P,2R,FEMA	1	P8
3703-000184	CONNECTOR-DIN:64P,2R,FEMA	2	P6,7
3704-000255	SOCKET-IC:32P,DIP,SN,2.54	4	U3,4,44,45
3704-001002	SOCKET-IC:8P,SIP,SN,2.54m	2	HYB3,4
3711-000171	CONNECTOR-HEADER:1WALL,2	2	P10,11
3711-000265	CONNECTOR-HEADER:1WALL,5	2	P9,12
3711-001025	CONNECTOR-HEADER:BOX,64P	1	P2
3722-000262	JACK-MODULAR:6P/4C,-,AU50	1	J1
6002-000326	SCREW-TAPPING:PH,+,2,M3.5	2	P1,P1

GA96-00595A	ELA-SPARE PART ASS'Y:DCS	1	
GA39-30053A	CBF-INTERFACE:SKP-816H,LO	1	
GA60-10002A	SPECIAL SCREW-D00R:M4,10,	2	
GA68-30627A	LABEL(R)-BLAND:EXO-S,PC,1	1	
GA69-30560A	BAG-PE:PE,T0.05,90X120,KP	1	
GA72-40687A	PMO-TOP HOUSING:SKP-24D,A	1	
JF69-30508B	BAG-COVER:LDPE,T0.05,220X	1	
3301-000144	CORE-FERRITE:AC,6x0.8x10m	1	SPARE
6005-000113	SCREW-WOOD:PH,+-,M4,L30,I	3	
6044-000159	RING-C:ID3,OD7,T0.6,PASS,	2	
6501-000111	CABLE-TIE:CT-190,-,W4.8,L	1	
857 990029AA	MISCEL,L30,S9,ID4,OD6:NO,	3	
GA97-01342A	MEA-CASE:DCS COMPACT,DCS	1	
GA68-10907A	LABEL(P)-RAM:SKP-24D,ART,	1	
GA68-10909A	LABEL(P)-GUIDE:SKP-24D,AR	1	
GA72-40691A	PMO-RAM UPPER:SKP-24D,AB	1	
GA72-40692A	PMO-RAM LOWER:SKP-24D,AE	1	
6002-000147	SCREW-TAPPING:PH,+,2,M3,L	4	
GA97-01449A	MEA-CASE:TAGET II,-,-,-,-	1	
GA39-40084A	CBF-HARNESS:SKP-50D,-,-,3	1	
GA69-30538A	BAG-VINYL:PE,T0.04,180x30	1	
GA72-40688A	PMO-BASE PLATE:SKP-24D,AE	1	
GA72-40689A	PMO-FACE BRACKET:SKP-24D	1	
6001-000640	SCREW-MACHINE:PH,+,M6,L10	1	
6002-000328	SCREW-TAPPING:PH,+,2,M4,L	11	
6002-000372	SCREW-TAPPING:PH,+,2,M4,L	4	
6031-000129	WASHER-E.T:M6,ID6.4,OD11,	1	
GA99-00889A	PAA-MAIN,EXP STD:DCS COMP	1	
EG69-90513A	PAC-SILICA GEL:-,60X70,40	1	
GA68-10914A	LABEL(P)-MASTER:SKP-36HX,	2	
GA69-11112A	BOX(P)-UNIT:-,STD,SW5,670	1	
GA69-20675A	CUSHION-TOP:DCS COMP,COR	2	
JF69-30520D	BAG-HAND SET:PE,T0.04,580	1	
JF68-10549B	LABEL(P)-CE MARK:SF500,AR	1	
1102-000163	IC-EPROM:27C4001,512KX8BI	4	U3,4,44,45 W0
4401-000115	CONVERTER-AC/DC:220VAC,+-	1	
6002-000392	SCREW-TAPPING:PH,+,2,M4,L	2	
6031-000121	WASHER-E.T:M4,ID4.3,OD8,T	1	
6301-000106	GROMMET:-,ID3.4,OD8.2,L6.	1	

6-1-2 KP24D-MCB (COMMON VERSION)

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
KP24D-MCBEL	BE009:BKB	1	
GA39-10087A	CBF-POWER CORD:DCS COMP	1	
GA68-11492A	LABEL(P)-SERIAL BEL:SKP-2	1	
GA68-30663A	LABEL(R)-CAUTION:DCS COMF	1	
GA68-60666A	MAN(BOOK)-INSTAL:DCS_COM	1	
GA92-01024A	PBA-RAMPACK1:DCS COMPAC	1	
GA94-00928A	PRA-RAMPACK1:DCS COMPAC	1	AUT
GA41-10365A	PCB-RAMPACK:DCS COMPACT	1	PCB
0402-000165	DIODE-RECTIFIER:1N5819,40	3	D1-3
0909-000105	IC-REAL TIME CLOCK:72423,	1	U5
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U1,2
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	2	R3,4
2007-000725	R-CHIP:300Kohm,5%,1/8W,DA	1	R1
2007-000768	R-CHIP:330ohm,5%,1/8W,DA,	1	R5
2007-001203	R-CHIP:820ohm,5%,1/8W,DA,	1	R2
2203-001452	C-CERAMIC,CHIP:100nF,20%,	5	C2,4,5,8,9
0601-000243	LED:ROUND,RED,3.1mm,700nm	1	LED1
1202-000138	IC-VOLTAGE COMP.:1232,DIP	1	U6
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C1,3
3404-000115	SWITCH-TACT:12V,50mA,130g	1	SW2
3408-000230	SWITCH-SLIDE:30V,300mA,DP	1	SW1
3703-000179	CONNECTOR-DIN:50P,2R,MALE	1	P8
4302-000126	BATTERY-NICD(2ND):3.6V;1.	1	BT1
GA92-01086A	PBA-RINGER,EUROPE:DCS CO	1	
GA26-30071A	TRANS-POWER:TT-308H,7V//7	1	T1
GA39-40099A	CBF-HARNESS:-,-,UL1015,13	1	P1
GA62-30501A	HEAT SINK-TR:SKP-24D,A606	2	HS1,2
GA94-00986A	PRA-RINGER,EURO:DCS COMF	1	AUT
GA41-10387A	PCB-RINGER,TARGET II:SKP-	1	PCB
0403-000154	DIODE-ZENER:1N4747A,20V,5	1	ZD1
0403-000223	DIODE-ZENER:1N749A,4.3V,5	2	D1,2
2004-000216	R-METAL:10Kohm,1%,1/4W,AA	1	R10
2004-000327	R-METAL:150Kohm,1%,1/4W,A	2	R9,11
2004-000861	R-METAL:39Kohm,1%,1/4W,AA	3	R4,12,13
2004-001164	R-METAL:62Kohm,1%,1/4W,AA	6	R2,3,R5-8
2004-001296	R-METAL:82Kohm,1%,1/4W,AA	1	R1
2301-000332	C-FILM,PEF:100nF,5%,50V,T	2	C2,3
2301-000350	C-FILM,PEF:33nF,5%,50V,TP	1	C5
2301-000360	C-FILM,PEF:68nF,5%,50V,TP	1	C6
2401-000499	C-AL:10uF,20%,63V,GP,6.3*	1	C1
0502-000360	TR-POWER:TIP42C,PNP,2W,TO	1	Q2
0502-000392	TR-POWER:TIP41,NPN,2W,TO-	1	Q1
1201-000252	IC-OP AMP:34074,DIP,14P,3	1	U1
2003-000245	R-METAL OXIDE:2ohm,5%,2W,	1	R14
2103-000474	VR-SEMI:5Kohm,10%,1/2W,TO	1	RV1
2305-000475	C-FILM,MPEF:820nF,10%,250	1	C9

2305-000559	C-FILM,MPEF:100nF,10%,63V	1	C4
2401-001430	C-AL:470uF,20%,50V,GP,13*	2	C7,C8
3711-000236	CONNECTOR-HEADER:1WALL,*	1	P1
6006-000130	SCREW-ASS'Y MACH:WS,PH,+	2	Q1,2
6021-000222	NUT-HEX:2C,M3,ZPC(YEL),SM	2	Q1,2
GA92-01572A	PBA-408BASE PCB:COMP EUR(	1	
EC26-20501A	TRANS-AF:INFOREX,-,800mH	2	T1,T2
GA13-10567A	IC-HYB:TARGET,KP0053SA,SI	2	HYB1,2
GA26-10053A	TRANS-PULSE:DGP 360,144//	8	T3-T10
GA94-01263A	PRA-408BASE AUTO:COMP EU	1	AUT1
GA13-10051A	IC-ASIC:DCS,STL7052E,QFP,	1	U42
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	2	U20,21
GA13-10064A	IC-ASIC:DCS,STL7065C,QFP,	1	U2
GA41-10362A	PCB-408BASE,TARGET:SKP-5(	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	1	SBT1
0401-000128	DIODE-SWITCHING:HSK120,60	20	D2-20,24
0402-000305	DIODE-RECTIFIER:RLR4003,2	3	D21-23
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	24	ZD1-16,ZD17-24
0501-000477	TR-SMALL SIGNAL:MMBT5550,	1	Q1
0801-000388	IC-CMOS LOGIC:74HC08,AND	3	U17-19
0801-000397	IC-CMOS LOGIC:74HC04,INVE	1	U16
0801-000411	IC-CMOS LOGIC:74HC32,OR G	2	U13-14
0801-000431	IC-CMOS LOGIC:74ACT32,OR	1	U12
0801-000455	IC-CMOS LOGIC:74HC74,D FL	1	U28
0801-000642	IC-CMOS LOGIC:74HC138,3-T	1	U49
0801-000696	IC-CMOS LOGIC:74HC245,TRA	1	U27
0801-000702	IC-CMOS LOGIC:74HC125,BUF	5	U9-11,50,51
0801-000716	IC-CMOS LOGIC:74HC541,BUF	4	U5-8
0801-000945	IC-CMOS LOGIC:74HC244,BUF	1	U15
0803-000842	IC-TTL:74LS09,AND GATE,SO	1	U43
0902-000234	IC-MICROPROCESSOR:68EC00	1	U1
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U47,U48
1201-000197	IC-OP AMP:34072,SOP,8P,15	1	U33
1205-000394	IC-CODEC/FILTER:TP3057WM,	5	U22-26
1205-000443	IC-RASL:TP3464N,PLCC,28P,	8	U34-41
1404-000126	THERMISTOR:4.85ohm,-,-,-,	8	PS1-8
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	6	R224,R101-104,R203
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	8	R60,63,132,R161-165
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	5	R221,223,R226-228
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R43-59,R138,R145-152
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R157
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	7	R255,256,R265-269
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R222
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	6	R81,82,R84-87
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	13	R208-220
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R7
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	12	R272-283
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	18	R13-15,R18-29,R31-33
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	6	R158-160,174,300,301
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	19	R1-6,R8-11,R34-42

2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R172
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	3	R167,17,62
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	2	R61,166
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	17	R64-80
2007-000531	R-CHIP:200Kohm,1%,1/8W,DA	1	R131
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	5	R206,207,225,229,83
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	29	R230-252,R258-263
2007-000580	R-CHIP:226Kohm,1%,1/8W,DA	1	R130
2007-000617	R-CHIP:24Kohm,5%,1/8W,DA,	1	R135
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	8	R141-144,R153-156
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	2	R270,271
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA,	1	R139
2007-000800	R-CHIP:360ohm,5%,1/8W,DA,	2	R136,137
2007-000834	R-CHIP:39Kohm,5%,1/8W,DA,	1	R134
2007-000906	R-CHIP:430ohm,5%,1/8W,DA,	3	R202,204,205
2007-000914	R-CHIP:43Kohm,5%,1/8W,DA,	1	R140
2007-001011	R-CHIP:51Kohm,5%,1/8W,DA,	1	R129
2007-001099	R-CHIP:62Kohm,5%,1/8W,DA,	1	R133
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	8	C201-208
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	3	C193,35,36
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	5	C83,144,145,147,194
2203-000478	C-CERAMIC,CHIP:1uF,+80-20	16	C96-111
2203-001005	C-CERAMIC,CHIP:47pF,5%,50	8	C38-45
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C138-140
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C84-87
2203-001452	C-CERAMIC,CHIP:100nF,20%,	2	C142,143
2203-001452	C-CERAMIC,CHIP:100nF,20%,	22	C112-133
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C146,C190-192
2203-001452	C-CERAMIC,CHIP:100nF,20%,	8	C64-65,C68-69,C79-82
2203-001452	C-CERAMIC,CHIP:100nF,20%,	37	C2-34,C56-58,C61
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C37,46,47
2203-001501	C-CERAMIC,CHIP:820pF,5%,5	1	C76
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C72-75
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C134,135
2401-000649	C-AL:2.2uF,20%,50V,BP,6*1	2	C77,78
2901-000177	FILTER-EMI ON BOARD:50V,1	1	BD5
2901-000191	FILTER-EMI ON BOARD:50V,1	1	BD1
2901-000192	FILTER-EMI ON BOARD:50V,1	2	BD3,7
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD2
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	5	BD4,BD9-12
1405-000130	VARISTOR:270V,1200A,9x4.6	1	TNR5
2305-000587	C-FILM,MPEF:470nF,10%,63V	8	C88-95
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C136
2804-000146	OSCILLATOR-CLOCK:16.384MH	1	Y1
3501-000210	RELAY-MINIATURE:5V,98mW,2	3	RLY1-3
3702-000172	CONNECTOR-RIBBON:50P,FEM	1	P1
3703-000117	CONNECTOR-DIN:16P,2R,FEMA	1	P3
3703-000144	CONNECTOR-DIN:32P,2R,FEMA	1	P4
3703-000176	CONNECTOR-DIN:50P,2R,FEMA	1	P50
3703-000184	CONNECTOR-DIN:64P,2R,FEMA	2	P6,7

3704-000255	SOCKET-IC:32P,DIP,SN,2.54	4	U3,4,44,45
3704-001002	SOCKET-IC:8P,SIP,SN,2.54m	2	HYB3,4
3711-000171	CONNECTOR-HEADER:1WALL,2	2	P10,11
3711-000265	CONNECTOR-HEADER:1WALL,5	2	P9,12
3711-001025	CONNECTOR-HEADER:BOX,64F	1	P2
3722-000262	JACK-MODULAR:6P/4C,-,AU5(	1	J1
6002-000326	SCREW-TAPPING:PH,+,2,M3.5	2	P1,P1
GA96-00595A	ELA-SPARE PART ASS'Y:DCS	1	
GA39-30053A	CBF-INTERFACE:SKP-816H,LC	1	
GA60-10002A	SPECIAL SCREW-D00R:M4,10,	2	
GA68-30627A	LABEL(R)-BLAND:EXO-S,PC,1	1	
GA69-30560A	BAG-PE:PE,T0.05,90X120,KP	1	
GA72-40687A	PMO-TOP HOUSING:SKP-24D,	1	
JF69-30508B	BAG-COVER:LDPE,T0.05,220X	1	
3301-000144	CORE-FERRITE:AC,6x0.8x10m	1	SPARE
6005-000113	SCREW-WOOD:PH,+-,M4,L30,	3	
6044-000159	RING-C:ID3,OD7,T0.6,PASS,	2	
6501-000111	CABLE-TIE:CT-190,-,W4.8,L	1	
857 990029AA	MISCEL,L30,S9,ID4,OD6:NO,	3	
GA97-01342A	MEA-CASE:DCS COMPACT,DCS	1	
GA68-10907A	LABEL(P)-RAM:SKP-24D,ART,	1	
GA68-10909A	LABEL(P)-GUIDE:SKP-24D,AR	1	
GA72-40691A	PMO-RAM UPPER:SKP-24D,AE	1	
GA72-40692A	PMO-RAM LOWER:SKP-24D,AE	1	
6002-000147	SCREW-TAPPING:PH,+,2,M3,L	4	
GA97-01449A	MEA-CASE:TAGET II,-,-,-,-	1	
GA39-40084A	CBF-HARNESS:SKP-50D,-,-,1	1	
GA69-30538A	BAG-VINYL:PE,T0.04,180x30	1	
GA72-40688A	PMO-BASE PLATE:SKP-24D,AE	1	
GA72-40689A	PMO-FACE BRACKET:SKP-24D	1	
6001-000640	SCREW-MACHINE:PH,+,M6,L1(	1	
6002-000328	SCREW-TAPPING:PH,+,2,M4,L	11	
6002-000372	SCREW-TAPPING:PH,+,2,M4,L	4	
6031-000129	WASHER-E.T:M6,ID6.4,OD11,	1	
GA99-00889A	PAA-MAIN,EXP STD:DCS COMP	1	
EG69-90513A	PAC-SILICA GEL:-,60X70,40	1	
GA68-10914A	LABEL(P)-MASTER:SKP-36HX,	2	
GA69-11112A	BOX(P)-UNIT:-,STD,SW5,670	1	
GA69-20675A	CUSHION-TOP:DCS COMP,COP	2	
JF69-30520D	BAG-HAND SET:PE,T0.04,580	1	
JF68-10549B	LABEL(P)-CE MARK:SF500,AR	1	
1102-000163	IC-EPROM:27C4001,512KX8BI	4	U3,4,44,45
4401-000115	CONVERTER-AC/DC:220VAC,+	1	
6002-000392	SCREW-TAPPING:PH,+,2,M4,L	2	
6031-000121	WASHER-E.T:M4,ID4.3,OD8,T	1	
6301-000106	GROMMET:-,ID3.4,OD8.2,L6.	1	

6-1-3 UK VERSION

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
EC26-20501A	TRANS-AF:INFOREX,-,800mH	2	T1,T2
GA13-10566A	IC-HYB:TARGET,KP0052SA,SI	2	HIC1,2
GA26-10053A	TRANS-PULSE:DGP 360,144//	8	T3-T10
GA68-10966A	LABEL(P)-BOARD:SKP-100D,	4	XX
GA94-00919A	PRA-408BASE:DCS COMPACT	1	AUT1
GA13-10051A	IC-ASIC:DCS,STL7052E,QFP,	1	U42
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	2	U20,21
GA13-10064A	IC-ASIC:DCS,STL7065C,QFP,	1	U2
GA41-10362A	PCB-408BASE,TARGET:SKP-	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	1	SBT1
0401-000128	DIODE-SWITCHING:HSK120,6	20	D2-20,24
0402-000305	DIODE-RECTIFIER:RLR4003,2	3	D21-23
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	24	ZD1-16,ZD17-24
0501-000477	TR-SMALL SIGNAL:MMBT5550	1	Q1
0801-000388	IC-CMOS LOGIC:74HC08,AND	3	U17-19
0801-000397	IC-CMOS LOGIC:74HC04,INVE	1	U16
0801-000411	IC-CMOS LOGIC:74HC32,OR (	2	U13,14
0801-000431	IC-CMOS LOGIC:74ACT32,OR	1	U12
0801-000455	IC-CMOS LOGIC:74HC74,D FL	1	U28
0801-000642	IC-CMOS LOGIC:74HC138,3-	1	U49
0801-000696	IC-CMOS LOGIC:74HC245,TRA	1	U27
0801-000702	IC-CMOS LOGIC:74HC125,BU	5	U9-11,50,51
0801-000716	IC-CMOS LOGIC:74HC541,BU	4	U5-8
0801-000945	IC-CMOS LOGIC:74HC244,BU	1	U15
0803-000842	IC-TTL:74LS09,AND GATE,SO	1	U43
0902-000234	IC-MICROPROCESSOR:68EC0	1	U1
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U47,U48
1201-000197	IC-OP AMP:34072,SOP,8P,15	1	U33
1205-000394	IC-CODEC/FILTER:TP3057WM	5	U22-26
1205-000443	IC-RASL:TP3464N,PLCC,28P,	8	U34-41
1404-000126	THERMISTOR:4.85ohm,-,-,-,	8	PS1-8
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	6	R224,R101-104,R203
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	8	R60,63,132,R161-165
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	5	R221,223,R226-228
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R43-59,R138,R145-152
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R157
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	7	R255,256,R265-269
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R222
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	6	R81,82,R84-87
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	13	R208-220
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R7
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	12	R272-283
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	18	R13-15,R18-29,R31-33
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	6	R158-160,174,300,301
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	19	R1-6,R8-11,R34-42
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R172

2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	3	R167,17,62
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	2	R61,166
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	17	R64-80
2007-000531	R-CHIP:200Kohm,1%,1/8W,DA	1	R131
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	5	R206,207,225,229,83
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	29	R230-252,R258-263
2007-000580	R-CHIP:226Kohm,1%,1/8W,DA	1	R130
2007-000617	R-CHIP:24Kohm,5%,1/8W,DA,	1	R135
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	8	R141-144,R153-156
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	2	R270,271
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA,	1	R139
2007-000800	R-CHIP:360ohm,5%,1/8W,DA,	2	R136,137
2007-000834	R-CHIP:39Kohm,5%,1/8W,DA,	1	R134
2007-000906	R-CHIP:430ohm,5%,1/8W,DA,	3	R202,204,205
2007-000914	R-CHIP:43Kohm,5%,1/8W,DA,	1	R140
2007-001011	R-CHIP:51Kohm,5%,1/8W,DA,	1	R129
2007-001099	R-CHIP:62Kohm,5%,1/8W,DA,	1	R133
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	8	C201-208
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	3	C193,35,36
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	5	C83,144,145,147,194
2203-000478	C-CERAMIC,CHIP:1uF,+80-2(	16	C96-111
2203-001005	C-CERAMIC,CHIP:47pF,5%,50	8	C38-45
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C138-140
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C84-87
2203-001452	C-CERAMIC,CHIP:100nF,20%,	2	C142,143
2203-001452	C-CERAMIC,CHIP:100nF,20%,	22	C112-133
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C146,C190-192
2203-001452	C-CERAMIC,CHIP:100nF,20%,	8	C64-65,C68-69,C79-82
2203-001452	C-CERAMIC,CHIP:100nF,20%,	37	C2-34,C56-58,C61
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C37,46,47
2203-001501	C-CERAMIC,CHIP:820pF,5%,5	1	C76
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C72-75
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C134,135
2401-000649	C-AL:2.2uF,20%,50V,BP,6*1	2	C77,78
2901-000177	FILTER-EMI ON BOARD:50V,1	1	BD5
2901-000191	FILTER-EMI ON BOARD:50V,1	1	BD1
2901-000192	FILTER-EMI ON BOARD:50V,1	2	BD3,7
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD2
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	5	BD4,BD9-12
1405-000130	VARISTOR:270V,1200A,9x4.6	1	TNR5
2305-000587	C-FILM,MPEF:470nF,10%,63V	8	C88-95
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C136
2804-000146	OSCILLATOR-CLOCK:16.384M	1	Y1
3501-000210	RELAY-MINIATURE:5V,98mW,2	3	RLY1-3
3702-000172	CONNECTOR-RIBBON:50P,FE	1	P1
3703-000117	CONNECTOR-DIN:16P,2R,FEM	1	P3
3703-000144	CONNECTOR-DIN:32P,2R,FEM	1	P4
3703-000176	CONNECTOR-DIN:50P,2R,FEM	1	P8
3703-000184	CONNECTOR-DIN:64P,2R,FEM	2	P6,7
3704-000255	SOCKET-IC:32P,DIP,SN,2.54	4	U3,4,44,45

3711-000171	CONNECTOR-HEADER:1WALL	2	P10,11
3711-000265	CONNECTOR-HEADER:1WALL	2	P9,12
3711-001025	CONNECTOR-HEADER:BOX,6	1	P2
3722-000262	JACK-MODULAR:6P/4C,-,AU	1	J1
6002-000326	SCREW-TAPPING:PH,+,2,M3.	2	P1,P1

6-1-4 ITALY VERSION

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
EC26-20501A	TRANS-AF:INFOREX,-,800mH	2	T1,T2
GA13-10565A	IC-HYB:TARGET,KP0051SA,SI	2	HIC1,2
GA26-10053A	TRANS-PULSE:DGP 360,144//	8	T3-T10
GA68-10967A	LABEL(P)-BOARD:SKP-100D,	4	XX
GA94-00916A	PRA-408BASE:DCS COMPACT	1	AUT
GA13-10051A	IC-ASIC:DCS,STL7052E,QFP,	1	U42
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	2	U20,21
GA13-10064A	IC-ASIC:DCS,STL7065C,QFP,	1	U2
GA41-10362A	PCB-408BASE,TARGET:SKP-5	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	1	SBT1
0401-000128	DIODE-SWITCHING:HSK120,60	20	D2-20,24
0402-000305	DIODE-RECTIFIER:RLR4003,2	3	D21-23
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	24	ZD1-16,ZD17-24
0501-000477	TR-SMALL SIGNAL:MMBT5550	1	Q1
0801-000388	IC-CMOS LOGIC:74HC08,AND	3	U17-19
0801-000397	IC-CMOS LOGIC:74HC04,INVE	1	U16
0801-000411	IC-CMOS LOGIC:74HC32,OR G	2	U13,14
0801-000431	IC-CMOS LOGIC:74ACT32,OR	1	U12
0801-000455	IC-CMOS LOGIC:74HC74,D FL	1	U28
0801-000642	IC-CMOS LOGIC:74HC138,3-T	1	U49
0801-000696	IC-CMOS LOGIC:74HC245,TRA	1	U27
0801-000702	IC-CMOS LOGIC:74HC125,BUF	5	U9-11,50,51
0801-000716	IC-CMOS LOGIC:74HC541,BUF	4	U5-8
0801-000945	IC-CMOS LOGIC:74HC244,BUF	1	U15
0803-000842	IC-TTL:74LS09,AND GATE,SO	1	U43
0902-000234	IC-MICROPROCESSOR:68EC00	1	U1
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U47,U48
1201-000197	IC-OP AMP:34072,SOP,8P,15	1	U33
1205-000394	IC-CODEC/FILTER:TP3057WM,	5	U22-26
1205-000443	IC-RASL:TP3464N,PLCC,28P,	8	U34-41
1404-000126	THERMISTOR:4.85ohm,-,-,-,	8	PS1-8
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	1	R203
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	8	R60,63,132,R161-165
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	5	R221,223,R226-228
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R43-59,R138,R145-152
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	15	R7,157,213,R272-R283
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	7	R255,256,R265-269
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	6	R81,82,R84-87
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	18	R13-15,R18-29,R31-33
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	10	R214-220,R208-210
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	3	R222,R211,R212
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	6	R158-160,174,300,301
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	19	R1-6,R8-11,R34-42
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R172
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	3	R167,17,62
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	2	R61,166

2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	17	R64-80
2007-000531	R-CHIP:200Kohm,1%,1/8W,DA	1	R131
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	5	R206,207,225,229,83
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	29	R230-252,R258-263
2007-000580	R-CHIP:226Kohm,1%,1/8W,DA	1	R130
2007-000617	R-CHIP:24Kohm,5%,1/8W,DA,	1	R135
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	8	R141-144,R153-156
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	2	R270,271
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA,	1	R139
2007-000800	R-CHIP:360ohm,5%,1/8W,DA,	2	R136,137
2007-000834	R-CHIP:39Kohm,5%,1/8W,DA,	1	R134
2007-000906	R-CHIP:430ohm,5%,1/8W,DA,	3	R202,204,205
2007-000914	R-CHIP:43Kohm,5%,1/8W,DA,	1	R140
2007-001011	R-CHIP:51Kohm,5%,1/8W,DA,	1	R129
2007-001099	R-CHIP:62Kohm,5%,1/8W,DA,	1	R133
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	1	C208
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	3	C193,35,36
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	7	C201-207
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	2	C83,144
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	3	C145,147,194
2203-000478	C-CERAMIC,CHIP:1uF,+80-2(	16	C96-111
2203-001005	C-CERAMIC,CHIP:47pF,5%,50	8	C38-45
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C138-140
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C84-87
2203-001452	C-CERAMIC,CHIP:100nF,20%,	2	C142,143
2203-001452	C-CERAMIC,CHIP:100nF,20%,	22	C112-133
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C146,C190-192
2203-001452	C-CERAMIC,CHIP:100nF,20%,	8	C64-65,C68-69,C79-82
2203-001452	C-CERAMIC,CHIP:100nF,20%,	37	C2-34,C56-58,C61
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C37,46,47
2203-001501	C-CERAMIC,CHIP:820pF,5%,5	1	C76
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C72-75
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C134,135
2401-000649	C-AL:2.2uF,20%,50V,BP,6*1	2	C77,78
2901-000177	FILTER-EMI ON BOARD:50V,1	1	BD5
2901-000191	FILTER-EMI ON BOARD:50V,1	1	BD1
2901-000192	FILTER-EMI ON BOARD:50V,1	2	BD3,7
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD2
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	5	BD4,BD9-12
1405-000130	VARISTOR:270V,1200A,9x4.6	1	TNR5
2305-000587	C-FILM,MPEF:470nF,10%,63V	8	C88-95
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C136
2804-000146	OSCILLATOR-CLOCK:16.384M	1	Y1
3501-000210	RELAY-MINIATURE:5V,98mW,2	3	RLY1-3
3702-000172	CONNECTOR-RIBBON:50P,FEI	1	P1
3703-000117	CONNECTOR-DIN:16P,2R,FEM	1	P3
3703-000144	CONNECTOR-DIN:32P,2R,FEM	1	P4
3703-000176	CONNECTOR-DIN:50P,2R,FEM	1	P8
3703-000184	CONNECTOR-DIN:64P,2R,FEM	2	P6,7
3704-000255	SOCKET-IC:32P,DIP,SN,2.54	4	U3,4,44,45

3704-001002	SOCKET-IC:8P,SIP,SN,2.54m	2	HYB3,4
3710-000107	CONNECTOR-SHUNT:2P,1R,2.	4	SP1-4
3711-000171	CONNECTOR-HEADER:1WALL	2	P10,11
3711-000265	CONNECTOR-HEADER:1WALL	2	P9,P12
3711-001025	CONNECTOR-HEADER:BOX,64	1	P2
3711-001422	CONNECTOR-HEADER:NOWAL	4	SP1-4
3722-000262	JACK-MODULAR:6P/4C,-,AU5	1	J1
6002-000326	SCREW-TAPPING:PH,+,2,M3.5	2	P1,P1

6-1-5 HOLAND VERSION

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
EC26-20501A	TRANS-AF:INFOREX,-,800mH	2	T1,T2
GA13-10007A	IC-ASIC:DCS/COMPACT EURC	2	HYB1,2
GA26-10053A	TRANS-PULSE:DGP 360,144//	8	T3-T10
GA94-00029A	PRA:COMPACT_E,408BASE,AU	1	AUT1
GA13-10051A	IC-ASIC:DCS,STL7052E,QFP,	1	U42
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	2	U20,21
GA13-10064A	IC-ASIC:DCS,STL7065C,QFP,	1	U2
GA41-10362A	PCB-408BASE,TARGET:SKP-	1	PCB,REV.03
JF27-60051A	COIL-FILTER:CF5400,60uH,5	1	SBT1
0401-000128	DIODE-SWITCHING:HSK120,6	20	D2-20,24
0402-000305	DIODE-RECTIFIER:RLR4003,2	3	D21-23
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	24	ZD1-16,ZD17-24
0501-000477	TR-SMALL SIGNAL:MMBT5550	1	Q1
0801-000388	IC-CMOS LOGIC:74HC08,AND	3	U17-19
0801-000397	IC-CMOS LOGIC:74HC04,INVE	1	U16
0801-000411	IC-CMOS LOGIC:74HC32,OR (	2	U13-14
0801-000431	IC-CMOS LOGIC:74ACT32,OR	1	U12
0801-000455	IC-CMOS LOGIC:74HC74,D FL	1	U28
0801-000642	IC-CMOS LOGIC:74HC138,3-	1	U49
0801-000696	IC-CMOS LOGIC:74HC245,TRA	1	U27
0801-000702	IC-CMOS LOGIC:74HC125,BU	5	U9-11,50,51
0801-000716	IC-CMOS LOGIC:74HC541,BU	4	U5-8
0801-000945	IC-CMOS LOGIC:74HC244,BU	1	U15
0803-000842	IC-TTL:74LS09,AND GATE,SO	1	U43
0902-000234	IC-MICROPROCESSOR:68EC0	1	U1
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U47,U48
1201-000197	IC-OP AMP:34072,SOP,8P,15	1	U33
1205-000394	IC-CODEC/FILTER:TP3057WM	5	U22-26
1205-000443	IC-RASL:TP3464N,PLCC,28P,	8	U34-41
1404-000126	THERMISTOR:4.85ohm,-,-,-,	8	PS1-8
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	6	R224,R101-104,R203
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	8	R60,63,132,R161-165
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	5	R221,223,R226-228
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R43-59,R138,R145-152
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R157
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	7	R255,256,R265-269
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R222
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	6	R81,82,R84-87
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	13	R208-220
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R7
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	12	R272-283
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	18	R13-15,R18-29,R31-33
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	6	R158-160,174,300,301
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	19	R1-6,R8-11,R34-42
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R172
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	3	R167,17,62

2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	2	R61,166
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	17	R64-80
2007-000531	R-CHIP:200Kohm,1%,1/8W,DA	1	R131
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	5	R206,207,225,229,83
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	29	R230-252,R258-263
2007-000580	R-CHIP:226Kohm,1%,1/8W,DA	1	R130
2007-000617	R-CHIP:24Kohm,5%,1/8W,DA,	1	R135
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	8	R141-144,R153-156
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	2	R270,271
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA,	1	R139
2007-000800	R-CHIP:360ohm,5%,1/8W,DA,	2	R136,137
2007-000834	R-CHIP:39Kohm,5%,1/8W,DA,	1	R134
2007-000906	R-CHIP:430ohm,5%,1/8W,DA,	3	R202,204,205
2007-000914	R-CHIP:43Kohm,5%,1/8W,DA,	1	R140
2007-001011	R-CHIP:51Kohm,5%,1/8W,DA,	1	R129
2007-001099	R-CHIP:62Kohm,5%,1/8W,DA,	1	R133
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	8	C201-208
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	3	C193,35,36
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	5	C83,144,145,147,194
2203-000478	C-CERAMIC,CHIP:1uF,+80-2(	16	C96-111
2203-001005	C-CERAMIC,CHIP:47pF,5%,50	8	C38-45
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C138-140
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C84-87
2203-001452	C-CERAMIC,CHIP:100nF,20%,	2	C142,143
2203-001452	C-CERAMIC,CHIP:100nF,20%,	22	C112-133
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C146,C190-192
2203-001452	C-CERAMIC,CHIP:100nF,20%,	8	C64-65,C68-69,C79-82
2203-001452	C-CERAMIC,CHIP:100nF,20%,	37	C2-34,C56-58,C61
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C37,46,47
2203-001501	C-CERAMIC,CHIP:820pF,5%,5	1	C76
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C72-75
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C134,135
2401-000649	C-AL:2.2uF,20%,50V,BP,6*1	2	C77,78
2901-000177	FILTER-EMI ON BOARD:50V,1	1	BD5
2901-000191	FILTER-EMI ON BOARD:50V,1	1	BD1
2901-000192	FILTER-EMI ON BOARD:50V,1	2	BD3,7
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD2
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	5	BD4,BD9-12
1405-000130	VARISTOR:270V,1200A,9x4.6	1	TNR5
2305-000587	C-FILM,MPEF:470nF,10%,63V	8	C88-95
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C136
2804-000146	OSCILLATOR-CLOCK:16.384M	1	Y1
3501-000210	RELAY-MINIATURE:5V,98mW,2	3	RLY1-3
3702-000172	CONNECTOR-RIBBON:50P,FE	1	P1
3703-000117	CONNECTOR-DIN:16P,2R,FEM	1	P3
3703-000144	CONNECTOR-DIN:32P,2R,FEM	1	P4
3703-000176	CONNECTOR-DIN:50P,2R,FEM	1	P8
3703-000184	CONNECTOR-DIN:64P,2R,FEM	2	P6,7
3704-000255	SOCKET-IC:32P,DIP,SN,2.54	4	U3,4,44,45
3704-001002	SOCKET-IC:8P,SIP,SN,2.54m	2	HYB3,4

3711-000171	CONNECTOR-HEADER:1WALL	2	P10,11
3711-000265	CONNECTOR-HEADER:1WALL	2	P9,12
3711-001025	CONNECTOR-HEADER:BOX,6	1	P2
3722-000262	JACK-MODULAR:6P/4C,-,AU	1	J1
6002-000326	SCREW-TAPPING:PH,+,2,M3.	2	P1,P1

6-1-6 NORWAY VERSION

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
EC26-20501A	TRANS-AF:INFOREX,-,800mH	2	T1,T2
GA13-10567A	IC-HYB:TARGET,KP0053SA,SI	2	HYB1,2
GA26-10053A	TRANS-PULSE:DGP 360,144//	8	T3-T10
GA94-00011A	PRA:COMPACT_E,408BASE,AU	1	AUT1
GA13-10051A	IC-ASIC:DCS,STL7052E,QFP,	1	U42
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	2	U20,21
GA13-10064A	IC-ASIC:DCS,STL7065C,QFP,	1	U2
GA41-10362A	PCB-408BASE,TARGET:SKP-	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	1	SBT1
0401-000128	DIODE-SWITCHING:HSK120,6	20	D2-20,24
0402-000305	DIODE-RECTIFIER:RLR4003,2	3	D21-23
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	24	ZD1-16,ZD17-24
0501-000477	TR-SMALL SIGNAL:MMBT5550	1	Q1
0801-000388	IC-CMOS LOGIC:74HC08,AND	3	U17-19
0801-000397	IC-CMOS LOGIC:74HC04,INVE	1	U16
0801-000411	IC-CMOS LOGIC:74HC32,OR (	2	U13,14
0801-000431	IC-CMOS LOGIC:74ACT32,OR	1	U12
0801-000455	IC-CMOS LOGIC:74HC74,D FL	1	U28
0801-000642	IC-CMOS LOGIC:74HC138,3-	1	U49
0801-000696	IC-CMOS LOGIC:74HC245,TR/	1	U27
0801-000702	IC-CMOS LOGIC:74HC125,BU	5	U9-11,50,51
0801-000716	IC-CMOS LOGIC:74HC541,BU	4	U5-8
0801-000945	IC-CMOS LOGIC:74HC244,BU	1	U15
0803-000842	IC-TTL:74LS09,AND GATE,SO	1	U43
0902-000234	IC-MICROPROCESSOR:68EC0	1	U1
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U47,U48
1201-000197	IC-OP AMP:34072,SOP,8P,15	1	U33
1205-000394	IC-CODEC/FILTER:TP3057WM	5	U22-26
1205-000443	IC-RASL:TP3464N,PLCC,28P,	8	U34-41
1404-000126	THERMISTOR:4.85ohm,-,-,-,	8	PS1-8
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	6	R224,R101-104,R203
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	8	R60,63,132,R161-165
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	5	R221,223,R226-228
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R43-59,R138,R145-152
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R157
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	7	R255,256,R265-269
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R222
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	6	R81,82,R84-87
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	13	R208-220
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R7
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	12	R272-283
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	18	R13-15,R18-29,R31-33
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	6	R158-160,174,300,301
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	19	R1-6,R8-11,R34-42
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R172
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	3	R167,17,62

2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	2	R61,166
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	17	R64-80
2007-000531	R-CHIP:200Kohm,1%,1/8W,DA	1	R131
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	5	R206,207,225,229,83
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	29	R230-252,R258-263
2007-000580	R-CHIP:226Kohm,1%,1/8W,DA	1	R130
2007-000617	R-CHIP:24Kohm,5%,1/8W,DA,	1	R135
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	8	R141-144,R153-156
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	2	R270,271
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA,	1	R139
2007-000800	R-CHIP:360ohm,5%,1/8W,DA,	2	R136,137
2007-000834	R-CHIP:39Kohm,5%,1/8W,DA,	1	R134
2007-000906	R-CHIP:430ohm,5%,1/8W,DA,	3	R202,204,205
2007-000914	R-CHIP:43Kohm,5%,1/8W,DA,	1	R140
2007-001011	R-CHIP:51Kohm,5%,1/8W,DA,	1	R129
2007-001099	R-CHIP:62Kohm,5%,1/8W,DA,	1	R133
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	8	C201-208
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	3	C193,35,36
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	5	C83,144,145,147,194
2203-000478	C-CERAMIC,CHIP:1uF,+80-2(	16	C96-111
2203-001005	C-CERAMIC,CHIP:47pF,5%,50	8	C38-45
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C138-140
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C84-87
2203-001452	C-CERAMIC,CHIP:100nF,20%,	2	C142,143
2203-001452	C-CERAMIC,CHIP:100nF,20%,	22	C112-133
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C146,C190-192
2203-001452	C-CERAMIC,CHIP:100nF,20%,	8	C64-65,C68-69,C79-82
2203-001452	C-CERAMIC,CHIP:100nF,20%,	37	C2-34,C56-58,C61
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C37,46,47
2203-001501	C-CERAMIC,CHIP:820pF,5%,5	1	C76
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C72-75
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C134,135
2401-000649	C-AL:2.2uF,20%,50V,BP,6*1	2	C77,78
2901-000177	FILTER-EMI ON BOARD:50V,1	1	BD5
2901-000191	FILTER-EMI ON BOARD:50V,1	1	BD1
2901-000192	FILTER-EMI ON BOARD:50V,1	2	BD3,7
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD2
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	5	BD4,BD9-12
1405-000130	VARISTOR:270V,1200A,9x4.6	1	TNR5
2305-000587	C-FILM,MPEF:470nF,10%,63V	8	C88-95
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C136
2804-000146	OSCILLATOR-CLOCK:16.384M	1	Y1
3501-000210	RELAY-MINIATURE:5V,98mW,2	3	RLY1-3
3702-000172	CONNECTOR-RIBBON:50P,FE	1	P1
3703-000117	CONNECTOR-DIN:16P,2R,FEM	1	P3
3703-000144	CONNECTOR-DIN:32P,2R,FEM	1	P4
3703-000176	CONNECTOR-DIN:50P,2R,FEM	1	P8
3703-000184	CONNECTOR-DIN:64P,2R,FEM	2	P6,7
3704-000255	SOCKET-IC:32P,DIP,SN,2.54	4	U3,4,44,45
3704-001002	SOCKET-IC:8P,SIP,SN,2.54m	2	HYB3,4

3711-000171	CONNECTOR-HEADER:1WALL	2	P10,11
3711-000265	CONNECTOR-HEADER:1WALL	2	P9,12
3711-001025	CONNECTOR-HEADER:BOX,6	1	P2
3722-000262	JACK-MODULAR:6P/4C,-,AU	1	J1
6002-000326	SCREW-TAPPING:PH,+,2,M3.	2	P1,P1

6-1-7 POLAND VERSION

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
EC26-20501A	TRANS-AF:INFOREX,-,800mH	2	T1,T2
GA13-10009A	IC-ASIC:DCS/COMPACT EURC	2	HYB1,2
GA26-10053A	TRANS-PULSE:DGP 360,144//	8	T3-T10
GA94-00027A	PRA:COMPACT_E,408BASE,AU	1	AUT1
GA13-10051A	IC-ASIC:DCS,STL7052E,QFP,	1	U42
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	2	U20,21
GA13-10064A	IC-ASIC:DCS,STL7065C,QFP,	1	U2
GA41-10362A	PCB-408BASE,TARGET:SKP-	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	1	SBT1
0401-000128	DIODE-SWITCHING:HSK120,6	20	D2-20,24
0402-000305	DIODE-RECTIFIER:RLR4003,2	3	D21-23
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	24	ZD1-16,ZD17-24
0501-000477	TR-SMALL SIGNAL:MMBT5550	1	Q1
0801-000388	IC-CMOS LOGIC:74HC08,AND	3	U17-19
0801-000397	IC-CMOS LOGIC:74HC04,INVE	1	U16
0801-000411	IC-CMOS LOGIC:74HC32,OR (	2	U13,14
0801-000431	IC-CMOS LOGIC:74ACT32,OR	1	U12
0801-000455	IC-CMOS LOGIC:74HC74,D FL	1	U28
0801-000642	IC-CMOS LOGIC:74HC138,3-	1	U49
0801-000696	IC-CMOS LOGIC:74HC245,TRA	1	U27
0801-000702	IC-CMOS LOGIC:74HC125,BU	5	U9-11,50,51
0801-000716	IC-CMOS LOGIC:74HC541,BU	4	U5-8
0801-000945	IC-CMOS LOGIC:74HC244,BU	1	U15
0803-000842	IC-TTL:74LS09,AND GATE,SO	1	U43
0902-000234	IC-MICROPROCESSOR:68EC0	1	U1
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U47,U48
1201-000197	IC-OP AMP:34072,SOP,8P,15	1	U33
1205-000394	IC-CODEC/FILTER:TP3057WM	5	U22-26
1205-000443	IC-RASL:TP3464N,PLCC,28P,	8	U34-41
1404-000126	THERMISTOR:4.85ohm,-,-,-,	8	PS1-8
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	6	R224,R101-104,R203
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	8	R60,63,132,R161-165
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	5	R221,223,R226-228
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R43-59,R138,R145-152
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R157
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	7	R255,256,R265-269
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R222
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	6	R81,82,R84-87
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	13	R208-220
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R7
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	12	R272-283
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	18	R13-15,R18-29,R31-33
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	6	R158-160,174,300,301
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	19	R1-6,R8-11,R34-42
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R172
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	3	R167,17,62

2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	2	R61,166
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	17	R64-80
2007-000531	R-CHIP:200Kohm,1%,1/8W,DA	1	R131
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	5	R206,207,225,229,83
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	29	R230-252,R258-263
2007-000580	R-CHIP:226Kohm,1%,1/8W,DA	1	R130
2007-000617	R-CHIP:24Kohm,5%,1/8W,DA,	1	R135
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	8	R141-144,R153-156
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	2	R270,271
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA,	1	R139
2007-000800	R-CHIP:360ohm,5%,1/8W,DA,	2	R136,137
2007-000834	R-CHIP:39Kohm,5%,1/8W,DA,	1	R134
2007-000906	R-CHIP:430ohm,5%,1/8W,DA,	3	R202,204,205
2007-000914	R-CHIP:43Kohm,5%,1/8W,DA,	1	R140
2007-001011	R-CHIP:51Kohm,5%,1/8W,DA,	1	R129
2007-001099	R-CHIP:62Kohm,5%,1/8W,DA,	1	R133
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	8	C201-208
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	3	C193,35,36
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	5	C83,144,145,147,194
2203-000478	C-CERAMIC,CHIP:1uF,+80-2(	16	C96-111
2203-001005	C-CERAMIC,CHIP:47pF,5%,50	8	C38-45
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C138-140
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C84-87
2203-001452	C-CERAMIC,CHIP:100nF,20%,	2	C142,143
2203-001452	C-CERAMIC,CHIP:100nF,20%,	22	C112-133
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C146,C190-192
2203-001452	C-CERAMIC,CHIP:100nF,20%,	8	C64-65,C68-69,C79-82
2203-001452	C-CERAMIC,CHIP:100nF,20%,	37	C2-34,C56-58,C61
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C37,46,47
2203-001501	C-CERAMIC,CHIP:820pF,5%,5	1	C76
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C72-75
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C134,135
2401-000649	C-AL:2.2uF,20%,50V,BP,6*1	2	C77,78
2901-000177	FILTER-EMI ON BOARD:50V,1	1	BD5
2901-000191	FILTER-EMI ON BOARD:50V,1	1	BD1
2901-000192	FILTER-EMI ON BOARD:50V,1	2	BD3,7
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD2
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	5	BD4,BD9-12
1405-000130	VARISTOR:270V,1200A,9x4.6	1	TNR5
2305-000587	C-FILM,MPEF:470nF,10%,63V	8	C88-95
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C136
2804-000146	OSCILLATOR-CLOCK:16.384M	1	Y1
3501-000210	RELAY-MINIATURE:5V,98mW,2	3	RLY1-3
3702-000172	CONNECTOR-RIBBON:50P,FE	1	P1
3703-000117	CONNECTOR-DIN:16P,2R,FEM	1	P3
3703-000144	CONNECTOR-DIN:32P,2R,FEM	1	P4
3703-000176	CONNECTOR-DIN:50P,2R,FEM	1	P8
3703-000184	CONNECTOR-DIN:64P,2R,FEM	2	P6,7
3704-000255	SOCKET-IC:32P,DIP,SN,2.54	4	U3,4,44,45
3704-001002	SOCKET-IC:8P,SIP,SN,2.54m	2	HYB3,4

3711-000171	CONNECTOR-HEADER:1WALL	2	P10,11
3711-000265	CONNECTOR-HEADER:1WALL	2	P9,12
3711-001025	CONNECTOR-HEADER:BOX,6	1	P2
3722-000262	JACK-MODULAR:6P/4C,-,AU	1	J1
6002-000326	SCREW-TAPPING:PH,+,2,M3.	2	P1,P1

6-1-8 GERMANY VERSION

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
EC26-20501A	TRANS-AF:INFOREX,-,800mH	2	T1,T2
GA13-10567A	IC-HYB:TARGET,KP0053SA,SI	2	HIC1,2
GA26-10053A	TRANS-PULSE:DGP 360,144//	8	T3-T10
GA68-10969A	LABEL(P)-BOARD:SKP-100D,I	4	XX
GA94-00917A	PRA-408BASE:DCS COMPACT	1	AUT
GA13-10051A	IC-ASIC:DCS,STL7052E,QFP,	1	U42
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	2	U20,21
GA13-10064A	IC-ASIC:DCS,STL7065C,QFP,	1	U2
GA41-10362A	PCB-408BASE,TARGET:SKP-5	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	1	SBT1
0401-000128	DIODE-SWITCHING:HSK120,6(	20	D2-20,24
0402-000305	DIODE-RECTIFIER:RLR4003,2	3	D21-23
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	24	ZD1-16,ZD17-24
0501-000477	TR-SMALL SIGNAL:MMBT5550	1	Q1
0801-000388	IC-CMOS LOGIC:74HC08,AND	3	U17-19
0801-000397	IC-CMOS LOGIC:74HC04,INVE	1	U16
0801-000411	IC-CMOS LOGIC:74HC32,OR G	2	U13,14
0801-000431	IC-CMOS LOGIC:74ACT32,OR	1	U12
0801-000455	IC-CMOS LOGIC:74HC74,D FL	1	U28
0801-000642	IC-CMOS LOGIC:74HC138,3-T	1	U49
0801-000696	IC-CMOS LOGIC:74HC245,TRA	1	U27
0801-000702	IC-CMOS LOGIC:74HC125,BUF	5	U9-11,50,51
0801-000716	IC-CMOS LOGIC:74HC541,BUF	4	U5-8
0801-000945	IC-CMOS LOGIC:74HC244,BUF	1	U15
0803-000842	IC-TTL:74LS09,AND GATE,SO	1	U43
0902-000234	IC-MICROPROCESSOR:68EC0(	1	U1
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U47,U48
1201-000197	IC-OP AMP:34072,SOP,8P,15	1	U33
1204-001148	IC-MELODY:HT-3810S,T0-92,	1	U46
1205-000394	IC-CODEC/FILTER:TP3057WM,	5	U22-26
1205-000443	IC-RASL:TP3464N,PLCC,28P,	8	U34-41
1404-000126	THERMISTOR:4.85ohm,-,-,-,	8	PS1-8
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	1	R203
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R101-104
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	8	R60,63,132,R161-165
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R171
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R43-59,R138,R145-152
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R157
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	7	R255,256,R265-269
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	6	R81,82,R84-87
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	13	R7,R272-283
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	3	R226-228
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	18	R13-15,R18-29,R31-33
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	16	R208-223
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	6	R158-160,174,300,301
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	19	R1-6,R8-11,R34-42

2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R172
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	3	R167,17,62
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	2	R61,166
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	18	R64-80,R169
2007-000531	R-CHIP:200Kohm,1%,1/8W,DA	1	R131
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	5	R206,207,225,229,83
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	29	R230-252,R258-263
2007-000580	R-CHIP:226Kohm,1%,1/8W,DA	1	R130
2007-000617	R-CHIP:24Kohm,5%,1/8W,DA,	1	R135
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	8	R141-144,R153-156
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	2	R270,271
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA,	1	R139
2007-000800	R-CHIP:360ohm,5%,1/8W,DA,	2	R136,137
2007-000834	R-CHIP:39Kohm,5%,1/8W,DA,	1	R134
2007-000906	R-CHIP:430ohm,5%,1/8W,DA,	3	R202,204,205
2007-000914	R-CHIP:43Kohm,5%,1/8W,DA,	1	R140
2007-001011	R-CHIP:51Kohm,5%,1/8W,DA,	1	R129
2007-001099	R-CHIP:62Kohm,5%,1/8W,DA,	1	R133
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	10	C201-208,35,36
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	1	C193
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	1	C141
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	5	C83,144,145,147,194
2203-000478	C-CERAMIC,CHIP:1uF,+80-20	16	C96-111
2203-000478	C-CERAMIC,CHIP:1uF,+80-20	1	R170
2203-001005	C-CERAMIC,CHIP:47pF,5%,50	8	C38-45
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C138-140
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C84-87
2203-001452	C-CERAMIC,CHIP:100nF,20%,	2	C142,143
2203-001452	C-CERAMIC,CHIP:100nF,20%,	22	C112-133
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C146,C190-C192
2203-001452	C-CERAMIC,CHIP:100nF,20%,	8	C64-65,C68-69,C79-82
2203-001452	C-CERAMIC,CHIP:100nF,20%,	37	C2-34,C56-58,C61
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C37,46,47
2203-001501	C-CERAMIC,CHIP:820pF,5%,5	1	C76
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C72-75
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C134,135
2401-000649	C-AL:2.2uF,20%,50V,BP,6*1	3	C77,78,137
2901-000177	FILTER-EMI ON BOARD:50V,1	1	BD5
2901-000191	FILTER-EMI ON BOARD:50V,1	1	BD1
2901-000192	FILTER-EMI ON BOARD:50V,1	2	BD3,7
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD2
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	5	BD4,BD9-12
1405-000130	VARISTOR:270V,1200A,9x4.6	1	TNR5
2305-000587	C-FILM,MPEF:470nF,10%,63V	8	C88-95
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C136
2804-000146	OSCILLATOR-CLOCK:16.384M	1	Y1
3501-000210	RELAY-MINIATURE:5V,98mW,2	3	RLY1-3
3702-000172	CONNECTOR-RIBBON:50P,FEI	1	P1
3703-000117	CONNECTOR-DIN:16P,2R,FEM	1	P3
3703-000144	CONNECTOR-DIN:32P,2R,FEM	1	P4

3703-000176	CONNECTOR-DIN:50P,2R,FEM	1	P8
3703-000184	CONNECTOR-DIN:64P,2R,FEM	2	P6,7
3704-000255	SOCKET-IC:32P,DIP,SN,2.54	4	U3,4,44,45
3710-000107	CONNECTOR-SHUNT:2P,1R,2.	1	P5
3711-000171	CONNECTOR-HEADER:1WALL	2	P10,11
3711-000265	CONNECTOR-HEADER:1WALL	2	P9,12
3711-001025	CONNECTOR-HEADER:BOX,64	1	P2
3711-001479	CONNECTOR-HEADER:NOWAL	1	P5
3722-000262	JACK-MODULAR:6P/4C,-,AU5	1	J1
6002-000326	SCREW-TAPPING:PH,+,2,M3.5	2	P1,P1

6-1-9 BELGIUM VERSION

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA92-01572A	PBA:COMP EURO 408 BASE,-	1	
EC26-20501A	TRANS-AF:INFOREX,-,800mH	2	T1,T2
GA13-10567A	IC-HYB:TARGET,KP0053SA,SI	2	HYB1,2
GA26-10053A	TRANS-PULSE:DGP 360,144//	8	T3-T10
GA94-01263A	PRA-408BASE AUTO:COMP EU	1	AUT1
GA13-10051A	IC-ASIC:DCS,STL7052E,QFP,	1	U42
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	2	U20,21
GA13-10064A	IC-ASIC:DCS,STL7065C,QFP,	1	U2
GA41-10362A	PCB-408BASE,TARGET:SKP-	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	1	SBT1
0401-000128	DIODE-SWITCHING:HSK120,6	20	D2-20,24
0402-000305	DIODE-RECTIFIER:RLR4003,2	3	D21-23
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	24	ZD1-16,ZD17-24
0501-000477	TR-SMALL SIGNAL:MMBT5550	1	Q1
0801-000388	IC-CMOS LOGIC:74HC08,AND	3	U17-19
0801-000397	IC-CMOS LOGIC:74HC04,INVE	1	U16
0801-000411	IC-CMOS LOGIC:74HC32,OR (	2	U13-14
0801-000431	IC-CMOS LOGIC:74ACT32,OR	1	U12
0801-000455	IC-CMOS LOGIC:74HC74,D FL	1	U28
0801-000642	IC-CMOS LOGIC:74HC138,3-	1	U49
0801-000696	IC-CMOS LOGIC:74HC245,TRA	1	U27
0801-000702	IC-CMOS LOGIC:74HC125,BU	5	U9-11,50,51
0801-000716	IC-CMOS LOGIC:74HC541,BU	4	U5-8
0801-000945	IC-CMOS LOGIC:74HC244,BU	1	U15
0803-000842	IC-TTL:74LS09,AND GATE,SO	1	U43
0902-000234	IC-MICROPROCESSOR:68EC0	1	U1
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U47,U48
1201-000197	IC-OP AMP:34072,SOP,8P,15	1	U33
1205-000394	IC-CODEC/FILTER:TP3057WM	5	U22-26
1205-000443	IC-RASL:TP3464N,PLCC,28P,	8	U34-41
1404-000126	THERMISTOR:4.85ohm,-,-,-,	8	PS1-8
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	6	R224,R101-104,R203
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	8	R60,63,132,R161-165
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	5	R221,223,R226-228
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R43-59,R138,R145-152
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R157
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	7	R255,256,R265-269
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R222
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	6	R81,82,R84-87
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	13	R208-220
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R7
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	12	R272-283
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	18	R13-15,R18-29,R31-33
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	6	R158-160,174,300,301
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	19	R1-6,R8-11,R34-42
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R172

2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	3	R167,17,62
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	2	R61,166
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	17	R64-80
2007-000531	R-CHIP:200Kohm,1%,1/8W,DA	1	R131
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	5	R206,207,225,229,83
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	29	R230-252,R258-263
2007-000580	R-CHIP:226Kohm,1%,1/8W,DA	1	R130
2007-000617	R-CHIP:24Kohm,5%,1/8W,DA,	1	R135
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	8	R141-144,R153-156
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	2	R270,271
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA,	1	R139
2007-000800	R-CHIP:360ohm,5%,1/8W,DA,	2	R136,137
2007-000834	R-CHIP:39Kohm,5%,1/8W,DA,	1	R134
2007-000906	R-CHIP:430ohm,5%,1/8W,DA,	3	R202,204,205
2007-000914	R-CHIP:43Kohm,5%,1/8W,DA,	1	R140
2007-001011	R-CHIP:51Kohm,5%,1/8W,DA,	1	R129
2007-001099	R-CHIP:62Kohm,5%,1/8W,DA,	1	R133
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	8	C201-208
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	3	C193,35,36
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	5	C83,144,145,147,194
2203-000478	C-CERAMIC,CHIP:1uF,+80-2(	16	C96-111
2203-001005	C-CERAMIC,CHIP:47pF,5%,50	8	C38-45
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C138-140
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C84-87
2203-001452	C-CERAMIC,CHIP:100nF,20%,	2	C142,143
2203-001452	C-CERAMIC,CHIP:100nF,20%,	22	C112-133
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C146,C190-192
2203-001452	C-CERAMIC,CHIP:100nF,20%,	8	C64-65,C68-69,C79-82
2203-001452	C-CERAMIC,CHIP:100nF,20%,	37	C2-34,C56-58,C61
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C37,46,47
2203-001501	C-CERAMIC,CHIP:820pF,5%,5	1	C76
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C72-75
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C134,135
2401-000649	C-AL:2.2uF,20%,50V,BP,6*1	2	C77,78
2901-000177	FILTER-EMI ON BOARD:50V,1	1	BD5
2901-000191	FILTER-EMI ON BOARD:50V,1	1	BD1
2901-000192	FILTER-EMI ON BOARD:50V,1	2	BD3,7
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD2
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	5	BD4,BD9-12
1405-000130	VARISTOR:270V,1200A,9x4.6	1	TNR5
2305-000587	C-FILM,MPEF:470nF,10%,63V	8	C88-95
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C136
2804-000146	OSCILLATOR-CLOCK:16.384M	1	Y1
3501-000210	RELAY-MINIATURE:5V,98mW,2	3	RLY1-3
3702-000172	CONNECTOR-RIBBON:50P,FE	1	P1
3703-000117	CONNECTOR-DIN:16P,2R,FEM	1	P3
3703-000144	CONNECTOR-DIN:32P,2R,FEM	1	P4
3703-000176	CONNECTOR-DIN:50P,2R,FEM	1	P8
3703-000184	CONNECTOR-DIN:64P,2R,FEM	2	P6,7
3704-000255	SOCKET-IC:32P,DIP,SN,2.54	4	U3,4,44,45

3704-001002	SOCKET-IC:8P,SIP,SN,2.54m	2	HYB3,4
3711-000171	CONNECTOR-HEADER:1WALL	2	P10,11
3711-000265	CONNECTOR-HEADER:1WALL	2	P9,12
3711-001025	CONNECTOR-HEADER:BOX,6	1	P2
3722-000262	JACK-MODULAR:6P/4C,-,AU	1	J1
6002-000326	SCREW-TAPPING:PH,+,2,M3.	2	P1,P1

6-1-10 GREECE VERSION

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA92-01740A	PBA:DCS COMPACT,GR,GREE	1	
EC26-20501A	TRANS-AF:INFOREX,-,800mH	2	T1,T2
GA13-10566A	IC-HYB:TARGET,KP0052SA,SI	2	HYB1,2
GA26-10053A	TRANS-PULSE:DGP 360,144//	8	T3-T10
GA94-02011A	PRA-408BASE:DCS COMPACT	1	AUT1
GA13-10051A	IC-ASIC:DCS,STL7052E,QFP,	1	U42
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	2	U20,21
GA13-10064A	IC-ASIC:DCS,STL7065C,QFP,	1	U2
GA41-10362A	PCB-408BASE,TARGET:SKP-	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	1	SBT1
0401-000128	DIODE-SWITCHING:HSK120,6	20	D2-20,24
0402-000305	DIODE-RECTIFIER:RLR4003,2	3	D21-23
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	24	ZD1-16,ZD17-24
0501-000477	TR-SMALL SIGNAL:MMBT5550	1	Q1
0801-000388	IC-CMOS LOGIC:74HC08,AND	3	U17-19
0801-000397	IC-CMOS LOGIC:74HC04,INVE	1	U16
0801-000411	IC-CMOS LOGIC:74HC32,OR (	2	U13,14
0801-000431	IC-CMOS LOGIC:74ACT32,OR	1	U12
0801-000455	IC-CMOS LOGIC:74HC74,D FL	1	U28
0801-000642	IC-CMOS LOGIC:74HC138,3-	1	U49
0801-000696	IC-CMOS LOGIC:74HC245,TR/	1	U27
0801-000702	IC-CMOS LOGIC:74HC125,BU	5	U9-11,50,51
0801-000716	IC-CMOS LOGIC:74HC541,BU	4	U5-8
0801-000945	IC-CMOS LOGIC:74HC244,BU	1	U15
0803-000842	IC-TTL:74LS09,AND GATE,SO	1	U43
0902-000234	IC-MICROPROCESSOR:68EC0	1	U1
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U47,U48
1201-000197	IC-OP AMP:34072,SOP,8P,15	1	U33
1205-000394	IC-CODEC/FILTER:TP3057WM	5	U22-26
1205-000443	IC-RASL:TP3464N,PLCC,28P,	8	U34-41
1404-000126	THERMISTOR:4.85ohm,-,-,-,	8	PS1-8
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	6	R224,R101-104,R203
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	8	R60,63,132,R161-165
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	5	R221,223,R226-228
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R43-59,R138,R145-152
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R157
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	7	R255,256,R265-269
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R222
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	6	R81,82,R84-87
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	13	R208-220
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R7
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	12	R272-283
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	18	R13-15,R18-29,R31-33
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	6	R158-160,174,300,301
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	19	R1-6,R8-11,R34-42
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R172

2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	3	R167,17,62
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	2	R61,166
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	17	R64-80
2007-000531	R-CHIP:200Kohm,1%,1/8W,DA	1	R131
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	5	R206,207,225,229,83
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	29	R230-252,R258-263
2007-000580	R-CHIP:226Kohm,1%,1/8W,DA	1	R130
2007-000617	R-CHIP:24Kohm,5%,1/8W,DA,	1	R135
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	8	R141-144,R153-156
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	2	R270,271
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA,	1	R139
2007-000800	R-CHIP:360ohm,5%,1/8W,DA,	2	R136,137
2007-000834	R-CHIP:39Kohm,5%,1/8W,DA,	1	R134
2007-000906	R-CHIP:430ohm,5%,1/8W,DA,	3	R202,204,205
2007-000914	R-CHIP:43Kohm,5%,1/8W,DA,	1	R140
2007-001011	R-CHIP:51Kohm,5%,1/8W,DA,	1	R129
2007-001099	R-CHIP:62Kohm,5%,1/8W,DA,	1	R133
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	8	C201-208
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	3	C193,35,36
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	5	C83,144,145,147,194
2203-000478	C-CERAMIC,CHIP:1uF,+80-2(	16	C96-111
2203-001005	C-CERAMIC,CHIP:47pF,5%,50	8	C38-45
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C138-140
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C84-87
2203-001452	C-CERAMIC,CHIP:100nF,20%,	2	C142,143
2203-001452	C-CERAMIC,CHIP:100nF,20%,	22	C112-133
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C146,C190-192
2203-001452	C-CERAMIC,CHIP:100nF,20%,	8	C64-65,C68-69,C79-82
2203-001452	C-CERAMIC,CHIP:100nF,20%,	37	C2-34,C56-58,C61
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C37,46,47
2203-001501	C-CERAMIC,CHIP:820pF,5%,5	1	C76
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C72-75
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C134,135
2401-000649	C-AL:2.2uF,20%,50V,BP,6*1	2	C77,78
2901-000177	FILTER-EMI ON BOARD:50V,1	1	BD5
2901-000191	FILTER-EMI ON BOARD:50V,1	1	BD1
2901-000192	FILTER-EMI ON BOARD:50V,1	2	BD3,7
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD2
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	5	BD4,BD9-12
1405-000130	VARISTOR:270V,1200A,9x4.6	1	TNR5
2305-000587	C-FILM,MPEF:470nF,10%,63V	8	C88-95
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C136
2804-000146	OSCILLATOR-CLOCK:16.384M	1	Y1
3501-000210	RELAY-MINIATURE:5V,98mW,2	3	RLY1-3
3702-000172	CONNECTOR-RIBBON:50P,FE	1	P1
3703-000117	CONNECTOR-DIN:16P,2R,FEM	1	P3
3703-000144	CONNECTOR-DIN:32P,2R,FEM	1	P4
3703-000176	CONNECTOR-DIN:50P,2R,FEM	1	P8
3703-000184	CONNECTOR-DIN:64P,2R,FEM	2	P6,7
3704-000255	SOCKET-IC:32P,DIP,SN,2.54	4	U3,4,44,45

3704-001002	SOCKET-IC:8P,SIP,SN,2.54m	2	HYB3,4
3711-000171	CONNECTOR-HEADER:1WALL	2	P10,11
3711-000265	CONNECTOR-HEADER:1WALL	2	P9,12
3711-001025	CONNECTOR-HEADER:BOX,6	1	P2
3722-000262	JACK-MODULAR:6P/4C,-,AU	1	J1
6002-000326	SCREW-TAPPING:PH,+,2,M3.	2	P1,P1

6-2 08 BASE

6-2-1 KP24D-MB (COMMON VERSION)

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA39-10087A	CBF-POWER CORD:DCS COMP	1	
GA68-11492A	LABEL(P)-SERIAL BEL:SKP-2	1	
GA68-30663A	LABEL(R)-CAUTION:DCS COMF	1	
GA68-60666A	MAN(BOOK)-INSTAL:DCS_COM	1	
GA92-01024A	PBA-RAMPACK1:DCS COMPAC	1	
GA94-00928A	PRA-RAMPACK1:DCS COMPAC	1	AUT
GA41-10365A	PCB-RAMPACK:DCS COMPACT	1	PCB
0402-000165	DIODE-RECTIFIER:1N5819,40	3	D1-3
0909-000105	IC-REAL TIME CLOCK:72423,	1	U5
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U1,2
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	2	R3,4
2007-000725	R-CHIP:300Kohm,5%,1/8W,DA	1	R1
2007-000768	R-CHIP:330ohm,5%,1/8W,DA,	1	R5
2007-001203	R-CHIP:820ohm,5%,1/8W,DA,	1	R2
2203-001452	C-CERAMIC,CHIP:100nF,20%,	5	C2,4,5,8,9
0601-000243	LED:ROUND,RED,3.1mm,700nm	1	LED1
1202-000138	IC-VOLTAGE COMP.:1232,DIP	1	U6
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C1,3
3404-000115	SWITCH-TACT:12V,50mA,130g	1	SW2
3408-000230	SWITCH-SLIDE:30V,300mA,DP	1	SW1
3703-000179	CONNECTOR-DIN:50P,2R,MALE	1	P8
4302-000126	BATTERY-NICD(2ND):3.6V;1.	1	BT1
GA92-01086A	PBA-RINGER,EUROPE:DCS CO	1	
GA26-30071A	TRANS-POWER:TT-308H,7V//7	1	T1
GA39-40099A	CBF-HARNESS:-,-,UL1015,13	1	P1
GA62-30501A	HEAT SINK-TR:SKP-24D,A606	2	HS1,2
GA94-00986A	PRA-RINGER,EURO:DCS COMF	1	AUT
GA41-10387A	PCB-RINGER,TARGET II:SKP-	1	PCB
0403-000154	DIODE-ZENER:1N4747A,20V,5	1	ZD1
0403-000223	DIODE-ZENER:1N749A,4.3V,5	2	D1,2
2004-000216	R-METAL:10Kohm,1%,1/4W,AA	1	R10
2004-000327	R-METAL:150Kohm,1%,1/4W,A	2	R9,11
2004-000861	R-METAL:39Kohm,1%,1/4W,AA	3	R4,12,13
2004-001164	R-METAL:62Kohm,1%,1/4W,AA	6	R2,3,R5-8
2004-001296	R-METAL:82Kohm,1%,1/4W,AA	1	R1
2301-000332	C-FILM,PEF:100nF,5%,50V,T	2	C2,3
2301-000350	C-FILM,PEF:33nF,5%,50V,TP	1	C5
2301-000360	C-FILM,PEF:68nF,5%,50V,TP	1	C6
2401-000499	C-AL:10uF,20%,63V,GP,6.3*	1	C1
0502-000360	TR-POWER:TIP42C,PNP,2W,TO	1	Q2
0502-000392	TR-POWER:TIP41,NPN,2W,TO-	1	Q1
1201-000252	IC-OP AMP:34074,DIP,14P,3	1	U1
2003-000245	R-METAL OXIDE:2ohm,5%,2W,	1	R14
2103-000474	VR-SEMI:5Kohm,10%,1/2W,TO	1	RV1
2305-000475	C-FILM,MPEF:820nF,10%,250	1	C9

2305-000559	C-FILM,MPEF:100nF,10%,63V	1	C4
2401-001430	C-AL:470uF,20%,50V,GP,13*	2	C7,C8
3711-000236	CONNECTOR-HEADER:1WALL,4	1	P1
6006-000130	SCREW-ASS'Y MACH:WS,PH,+	2	Q1,2
6021-000222	NUT-HEX:2C,M3,ZPC(YEL),SM	2	Q1,2
GA92-01526A	PBA-08BASE PCB:COMPACT E(	1	PBA
EC26-20501A	TRANS-AF:INFOREX,-,800mH	2	T1,T2
GA26-10053A	TRANS-PULSE:DGP 360,144//	8	T3-T10
GA94-01217A	PRA-08BASE AUTO:COMPACT_	1	AUT1
GA13-10051A	IC-ASIC:DCS,STL7052E,QFP,	1	U42
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	2	U20,21
GA13-10064A	IC-ASIC:DCS,STL7065C,QFP,	1	U2
GA41-10362A	PCB-408BASE,TARGET:SKP-5(	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	1	SBT1
0401-000128	DIODE-SWITCHING:HSK120,60	20	D2-20,24
0402-000305	DIODE-RECTIFIER:RLR4003,2	3	D21-23
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	16	ZD1-16
0501-000477	TR-SMALL SIGNAL:MMBT5550,	1	Q1
0801-000388	IC-CMOS LOGIC:74HC08,AND	3	U17-19
0801-000397	IC-CMOS LOGIC:74HC04,INVE	1	U16
0801-000411	IC-CMOS LOGIC:74HC32,OR G	2	U13,14
0801-000431	IC-CMOS LOGIC:74ACT32,OR	1	U12
0801-000455	IC-CMOS LOGIC:74HC74,D FL	1	U28
0801-000642	IC-CMOS LOGIC:74HC138,3-T	1	U49
0801-000696	IC-CMOS LOGIC:74HC245,TRA	1	U27
0801-000702	IC-CMOS LOGIC:74HC125,BUF	5	U9-11,50,51
0801-000716	IC-CMOS LOGIC:74HC541,BUF	4	U5-8
0801-000945	IC-CMOS LOGIC:74HC244,BUF	1	U15
0803-000842	IC-TTL:74LS09,AND GATE,SO	1	U43
0902-000234	IC-MICROPROCESSOR:68EC00	1	U1
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U47,U48
1201-000197	IC-OP AMP:34072,SOP,8P,15	1	U33
1205-000394	IC-CODEC/FILTER:TP3057WM,	1	U26
1205-000443	IC-RASL:TP3464N,PLCC,28P,	8	U34-41
1404-000126	THERMISTOR:4.85ohm,-,-,-,	8	PS1-8
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	1	R224
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	1	R203
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	8	R60,63,132,R161-165
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	5	R221,223,R226-228
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R43-59,R138,R145-152
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R157
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	7	R255,256,R265-269
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R222
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	6	R81,82,R84-87
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	13	R208-220
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R7
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	12	R272-283
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	18	R13-15,R18-29,R31-33
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	6	R158-160,174,300,301
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	19	R1-6,R8-11,R34-42

2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R172
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	3	R167,17,62
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	2	R61,166
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	17	R64-80
2007-000531	R-CHIP:200Kohm,1%,1/8W,DA	1	R131
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	5	R206,207,225,229,83
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	29	R230-252,R258-263
2007-000580	R-CHIP:226Kohm,1%,1/8W,DA	1	R130
2007-000617	R-CHIP:24Kohm,5%,1/8W,DA,	1	R135
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	8	R141-144,R153-156
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	2	R270,271
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA,	1	R139
2007-000800	R-CHIP:360ohm,5%,1/8W,DA,	2	R136,137
2007-000834	R-CHIP:39Kohm,5%,1/8W,DA,	1	R134
2007-000906	R-CHIP:430ohm,5%,1/8W,DA,	3	R202,204,205
2007-000914	R-CHIP:43Kohm,5%,1/8W,DA,	1	R140
2007-001011	R-CHIP:51Kohm,5%,1/8W,DA,	1	R129
2007-001099	R-CHIP:62Kohm,5%,1/8W,DA,	1	R133
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	8	C201-208
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	3	C193,35,36
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	5	C83,144,145,147,194
2203-000478	C-CERAMIC,CHIP:1uF,+80-20	16	C96-111
2203-001005	C-CERAMIC,CHIP:47pF,5%,50	8	C38-45
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C138-140
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C84-87
2203-001452	C-CERAMIC,CHIP:100nF,20%,	2	C142,143
2203-001452	C-CERAMIC,CHIP:100nF,20%,	22	C112-133
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C146,C190-192
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C37,46,47
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C79-82
2203-001452	C-CERAMIC,CHIP:100nF,20%,	33	C2-34
2203-001501	C-CERAMIC,CHIP:820pF,5%,5	1	C76
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C134,135
2401-000649	C-AL:2.2uF,20%,50V,BP,6*1	2	C77,78
2901-000177	FILTER-EMI ON BOARD:50V,1	1	BD5
2901-000191	FILTER-EMI ON BOARD:50V,1	1	BD1
2901-000192	FILTER-EMI ON BOARD:50V,1	2	BD3,7
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD2
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	5	BD4,BD9-12
1405-000130	VARISTOR:270V,1200A,9x4.6	1	TNR5
2011-000480	R-NETWORK:33ohm,5%,1/8W,E	1	AR1
2305-000587	C-FILM,MPEF:470nF,10%,63V	8	C88-95
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C136
2804-000146	OSCILLATOR-CLOCK:16.384MH	1	Y1
3501-000210	RELAY-MINIATURE:5V,98mW,2	3	RLY1-3
3702-000172	CONNECTOR-RIBBON:50P,FEM	1	P1
3703-000176	CONNECTOR-DIN:50P,2R,FEMA	1	P8
3703-000184	CONNECTOR-DIN:64P,2R,FEMA	2	P6,7
3704-000255	SOCKET-IC:32P,DIP,SN,2.54	4	U3,4,44,45
3711-000171	CONNECTOR-HEADER:1WALL,1	2	P10,11

3711-000265	CONNECTOR-HEADER:1WALL,5	2	P9,12
3711-001025	CONNECTOR-HEADER:BOX,64F	1	P2
3722-000262	JACK-MODULAR:6P/4C,-,AU5C	1	J1
6002-000326	SCREW-TAPPING:PH,+,2,M3.5	2	P1,P1
GA96-00595A	ELA-SPARE PART ASS'Y:DCS	1	
GA39-30053A	CBF-INTERFACE:SKP-816H,LC	1	
GA60-10002A	SPECIAL SCREW-D00R:M4,10,	2	
GA68-30627A	LABEL(R)-BLAND:EXO-S,PC,1	1	
GA69-30560A	BAG-PE:PE,T0.05,90X120,KP	1	
GA72-40687A	PMO-TOP HOUSING:SKP-24D,	1	
JF69-30508B	BAG-COVER:LDPE,T0.05,220X	1	
3301-000144	CORE-FERRITE:AC,6x0.8x10m	1	SPARE
6005-000113	SCREW-WOOD:PH,+-,M4,L30,	3	
6044-000159	RING-C:ID3,OD7,T0.6,PASS,	2	
6501-000111	CABLE-TIE:CT-190,-,W4.8,L	1	
857 990029AA	MISCEL,L30,S9,ID4,OD6:NO,	3	
GA97-01342A	MEA-CASE:DCS COMPACT,DCS	1	
GA68-10907A	LABEL(P)-RAM:SKP-24D,ART,	1	
GA68-10909A	LABEL(P)-GUIDE:SKP-24D,AR	1	
GA72-40691A	PMO-RAM UPPER:SKP-24D,AE	1	
GA72-40692A	PMO-RAM LOWER:SKP-24D,AE	1	
6002-000147	SCREW-TAPPING:PH,+,2,M3,L	4	
GA97-01449A	MEA-CASE:TAGET II,-,-,-,-	1	
GA39-40084A	CBF-HARNESS:SKP-50D,-,-,	1	
GA69-30538A	BAG-VINYL:PE,T0.04,180x30	1	
GA72-40688A	PMO-BASE PLATE:SKP-24D,AE	1	
GA72-40689A	PMO-FACE BRACKET:SKP-24D	1	
6001-000640	SCREW-MACHINE:PH,+,M6,L1C	1	
6002-000328	SCREW-TAPPING:PH,+,2,M4,L	11	
6002-000372	SCREW-TAPPING:PH,+,2,M4,L	4	
6031-000129	WASHER-E.T:M6,ID6.4,OD11,	1	
GA99-00889A	PAA-MAIN,EXP STD:DCS COMP	1	
EG69-90513A	PAC-SILICA GEL:-,60X70,40	1	
GA68-10914A	LABEL(P)-MASTER:SKP-36HX,	2	
GA69-11112A	BOX(P)-UNIT:-,STD,SW5,670	1	
GA69-20675A	CUSHION-TOP:DCS COMP,COF	2	
JF69-30520D	BAG-HAND SET:PE,T0.04,580	1	
JF68-10549B	LABEL(P)-CE MARK:SF500,AR	1	
1102-000163	IC-EPROM:27C4001,512KX8BI	4	U3,4,44,45
4401-000115	CONVERTER-AC/DC:220VAC,+	1	
6002-000328	SCREW-TAPPING:PH,+,2,M4,L	3	
6002-000392	SCREW-TAPPING:PH,+,2,M4,L	2	
6031-000121	WASHER-E.T:M4,ID4.3,OD8,T	1	
6301-000106	GROMMET:-,ID3.4,OD8.2,L6.	1	

6-2-2 KP24D-MB (UK VERSION)

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA92-01526A	PBA:COMPACT EURO 08BASE,	1	
EC26-20501A	TRANS-AF:INFOREX,-,800mH	2	T1,T2
GA26-10053A	TRANS-PULSE:DGP 360,144//	8	T3-T10
GA94-01217A	PRA-08BASE AUTO:COMPACT	1	AUT1
GA13-10051A	IC-ASIC:DCS,STL7052E,QFP,	1	U42
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	2	U20,21
GA13-10064A	IC-ASIC:DCS,STL7065C,QFP,	1	U2
GA41-10362A	PCB-408BASE,TARGET:SKP-	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	1	SBT1
0401-000128	DIODE-SWITCHING:HSK120,6	20	D2-20,24
0402-000305	DIODE-RECTIFIER:RLR4003,2	3	D21-23
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	16	ZD1-16
0501-000477	TR-SMALL SIGNAL:MMBT5550	1	Q1
0801-000388	IC-CMOS LOGIC:74HC08,AND	3	U17-19
0801-000397	IC-CMOS LOGIC:74HC04,INVE	1	U16
0801-000411	IC-CMOS LOGIC:74HC32,OR (	2	U13,14
0801-000431	IC-CMOS LOGIC:74ACT32,OR	1	U12
0801-000455	IC-CMOS LOGIC:74HC74,D FL	1	U28
0801-000642	IC-CMOS LOGIC:74HC138,3-	1	U49
0801-000696	IC-CMOS LOGIC:74HC245,TRA	1	U27
0801-000702	IC-CMOS LOGIC:74HC125,BU	5	U9-11,50,51
0801-000716	IC-CMOS LOGIC:74HC541,BU	4	U5-8
0801-000945	IC-CMOS LOGIC:74HC244,BU	1	U15
0803-000842	IC-TTL:74LS09,AND GATE,SO	1	U43
0902-000234	IC-MICROPROCESSOR:68EC0	1	U1
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U47,U48
1201-000197	IC-OP AMP:34072,SOP,8P,15	1	U33
1205-000394	IC-CODEC/FILTER:TP3057WM	1	U26
1205-000443	IC-RASL:TP3464N,PLCC,28P,	8	U34-41
1404-000126	THERMISTOR:4.85ohm,-,-,-,	8	PS1-8
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	1	R224
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	1	R203
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	8	R60,63,132,R161-165
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	5	R221,223,R226-228
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R43-59,R138,R145-152
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R157
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	7	R255,256,R265-269
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R222
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	6	R81,82,R84-87
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	13	R208-220
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R7
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	12	R272-283
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	18	R13-15,R18-29,R31-33
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	6	R158-160,174,300,301
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	19	R1-6,R8-11,R34-42
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R172

2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	3	R167,17,62
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	2	R61,166
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	17	R64-80
2007-000531	R-CHIP:200Kohm,1%,1/8W,DA	1	R131
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	5	R206,207,225,229,83
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	29	R230-252,R258-263
2007-000580	R-CHIP:226Kohm,1%,1/8W,DA	1	R130
2007-000617	R-CHIP:24Kohm,5%,1/8W,DA,	1	R135
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	8	R141-144,R153-156
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	2	R270,271
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA,	1	R139
2007-000800	R-CHIP:360ohm,5%,1/8W,DA,	2	R136,137
2007-000834	R-CHIP:39Kohm,5%,1/8W,DA,	1	R134
2007-000906	R-CHIP:430ohm,5%,1/8W,DA,	3	R202,204,205
2007-000914	R-CHIP:43Kohm,5%,1/8W,DA,	1	R140
2007-001011	R-CHIP:51Kohm,5%,1/8W,DA,	1	R129
2007-001099	R-CHIP:62Kohm,5%,1/8W,DA,	1	R133
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	8	C201-208
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	3	C193,35,36
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	5	C83,144,145,147,194
2203-000478	C-CERAMIC,CHIP:1uF,+80-2(	16	C96-111
2203-001005	C-CERAMIC,CHIP:47pF,5%,50	8	C38-45
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C138-140
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C84-87
2203-001452	C-CERAMIC,CHIP:100nF,20%,	2	C142,143
2203-001452	C-CERAMIC,CHIP:100nF,20%,	22	C112-133
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C146,C190-192
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C37,46,47
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C79-82
2203-001452	C-CERAMIC,CHIP:100nF,20%,	33	C2-34
2203-001501	C-CERAMIC,CHIP:820pF,5%,5	1	C76
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C134,135
2401-000649	C-AL:2.2uF,20%,50V,BP,6*1	2	C77,78
2901-000177	FILTER-EMI ON BOARD:50V,1	1	BD5
2901-000191	FILTER-EMI ON BOARD:50V,1	1	BD1
2901-000192	FILTER-EMI ON BOARD:50V,1	2	BD3,7
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD2
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	5	BD4,BD9-12
1405-000130	VARISTOR:270V,1200A,9x4.6	1	TNR5
2011-000480	R-NETWORK:33ohm,5%,1/8W,	1	AR1
2305-000587	C-FILM,MPEF:470nF,10%,63V	8	C88-95
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C136
2804-000146	OSCILLATOR-CLOCK:16.384M	1	Y1
3501-000210	RELAY-MINIATURE:5V,98mW,2	3	RLY1-3
3702-000172	CONNECTOR-RIBBON:50P,FE	1	P1
3703-000176	CONNECTOR-DIN:50P,2R,FEM	1	P8
3703-000184	CONNECTOR-DIN:64P,2R,FEM	2	P6,7
3704-000255	SOCKET-IC:32P,DIP,SN,2.54	4	U3,4,44,45
3711-000171	CONNECTOR-HEADER:1WALL	2	P10,11
3711-000265	CONNECTOR-HEADER:1WALL	2	P9,12

3711-001025	CONNECTOR-HEADER:BOX,6	1	P2
3722-000262	JACK-MODULAR:6P/4C,-,AU	1	J1
6002-000326	SCREW-TAPPING:PH,+,2,M3.	2	P1,P1

6-2-3 KP24D-MB (GERMANY VERSION)

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA92-01548A	PBA:COMPACT_EU 08BASE2,N	1	
EC26-20501A	TRANS-AF:INFOREX,-,800mH	2	T1,T2
GA26-10053A	TRANS-PULSE:DGP 360,144//	8	T3-T10
GA94-01239A	PRA-08BASE AUTO:COMP_EU	1	AUT1
GA13-10051A	IC-ASIC:DCS,STL7052E,QFP,	1	U42
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	2	U20,21
GA13-10064A	IC-ASIC:DCS,STL7065C,QFP,	1	U2
GA41-10362A	PCB-408BASE,TARGET:SKP-5	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	1	SBT1
0401-000128	DIODE-SWITCHING:HSK120,60	20	D2-20,24
0402-000305	DIODE-RECTIFIER:RLR4003,2	3	D21-23
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	16	ZD1-16
0501-000477	TR-SMALL SIGNAL:MMBT5550	1	Q1
0801-000388	IC-CMOS LOGIC:74HC08,AND	3	U17-19
0801-000397	IC-CMOS LOGIC:74HC04,INVE	1	U16
0801-000411	IC-CMOS LOGIC:74HC32,OR G	2	U13,14
0801-000431	IC-CMOS LOGIC:74ACT32,OR	1	U12
0801-000455	IC-CMOS LOGIC:74HC74,D FL	1	U28
0801-000642	IC-CMOS LOGIC:74HC138,3-T	1	U49
0801-000696	IC-CMOS LOGIC:74HC245,TRA	1	U27
0801-000702	IC-CMOS LOGIC:74HC125,BUF	5	U9-11,50,51
0801-000716	IC-CMOS LOGIC:74HC541,BUF	4	U5-8
0801-000945	IC-CMOS LOGIC:74HC244,BUF	1	U15
0803-000842	IC-TTL:74LS09,AND GATE,SO	1	U43
0902-000234	IC-MICROPROCESSOR:68EC00	1	U1
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U47,U48
1201-000197	IC-OP AMP:34072,SOP,8P,15	1	U33
1205-000394	IC-CODEC/FILTER:TP3057WM,	1	U26
1205-000443	IC-RASL:TP3464N,PLCC,28P,	8	U34-41
1404-000126	THERMISTOR:4.85ohm,-,-,-,	8	PS1-8
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	1	R203
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	8	R60,63,132,R161-165
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R171
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	5	R221,223,R226-228
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R43-59,R138,R145-152
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R157
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	7	R255,256,R265-269
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R222
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	6	R81,82,R84-87
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	13	R208-220
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R7
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	12	R272-283
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	18	R13-15,R18-29,R31-33
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	6	R158-160,174,300,301
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	19	R1-6,R8-11,R34-42
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R172

2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	3	R167,17,62
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	2	R61,166
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	17	R64-80
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	2	R169,170
2007-000531	R-CHIP:200Kohm,1%,1/8W,DA	1	R131
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	5	R206,207,225,229,83
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	29	R230-252,R258-263
2007-000580	R-CHIP:226Kohm,1%,1/8W,DA	1	R130
2007-000617	R-CHIP:24Kohm,5%,1/8W,DA,	1	R135
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	8	R141-144,R153-156
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	2	R270,271
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA,	1	R139
2007-000800	R-CHIP:360ohm,5%,1/8W,DA,	2	R136,137
2007-000834	R-CHIP:39Kohm,5%,1/8W,DA,	1	R134
2007-000906	R-CHIP:430ohm,5%,1/8W,DA,	3	R202,204,205
2007-000914	R-CHIP:43Kohm,5%,1/8W,DA,	1	R140
2007-001011	R-CHIP:51Kohm,5%,1/8W,DA,	1	R129
2007-001099	R-CHIP:62Kohm,5%,1/8W,DA,	1	R133
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	8	C201-208
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	3	C193,35,36
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	1	C141
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	5	C83,144,145,147,194
2203-000478	C-CERAMIC,CHIP:1uF,+80-20	16	C96-111
2203-001005	C-CERAMIC,CHIP:47pF,5%,50	8	C38-45
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C138-140
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C84-87
2203-001452	C-CERAMIC,CHIP:100nF,20%,	2	C142,143
2203-001452	C-CERAMIC,CHIP:100nF,20%,	22	C112-133
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C146,C190-192
2203-001452	C-CERAMIC,CHIP:100nF,20%,	3	C37,46,47
2203-001452	C-CERAMIC,CHIP:100nF,20%,	4	C79-82
2203-001452	C-CERAMIC,CHIP:100nF,20%,	33	C2-34
2203-001501	C-CERAMIC,CHIP:820pF,5%,5	1	C76
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C134,135
2401-000649	C-AL:2.2uF,20%,50V,BP,6*1	3	C77,78,137
2901-000177	FILTER-EMI ON BOARD:50V,1	1	BD5
2901-000191	FILTER-EMI ON BOARD:50V,1	1	BD1
2901-000192	FILTER-EMI ON BOARD:50V,1	2	BD3,7
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD2
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	5	BD4,BD9-12
1102-000163	IC-EPROM:27C4001,512KX8BI	4	U3,4,44,45
1405-000130	VARISTOR:270V,1200A,9x4.6	1	TNR5
2305-000587	C-FILM,MPEF:470nF,10%,63V	8	C88-95
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C136
2804-000146	OSCILLATOR-CLOCK:16.384M	1	Y1
3501-000210	RELAY-MINIATURE:5V,98mW,2	3	RLY1-3
3702-000172	CONNECTOR-RIBBON:50P,FEI	1	P1
3703-000176	CONNECTOR-DIN:50P,2R,FEM	1	P8
3703-000184	CONNECTOR-DIN:64P,2R,FEM	2	P6,7
3704-000255	SOCKET-IC:32P,DIP,SN,2.54	4	U3,4,44,45

3710-000107	CONNECTOR-SHUNT:2P,1R,2.	1	P5
3711-000171	CONNECTOR-HEADER:1WALL	2	P10,11
3711-000265	CONNECTOR-HEADER:1WALL	2	P9,12
3711-001025	CONNECTOR-HEADER:BOX,64	1	P2
3711-001479	CONNECTOR-HEADER:NOWAL	1	P5
3722-000262	JACK-MODULAR:6P/4C,-,AU5	1	J1
6002-000326	SCREW-TAPPING:PH,+,2,M3.5	2	P1,P1
881 700066TA	IC-LIN,66,MELODY IC:TO-92	1	U46

6-3 RAM PACK

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA92-01024A	PBA-RAMPACK1:DCS COMPAC	1	PBA
GA94-00928A	PRA-RAMPACK1:DCS COMPAC	1	AUT
GA41-10365A	PCB-RAMPACK:DCS COMPACT	1	PCB
0402-000165	DIODE-RECTIFIER:1N5819,40	3	D1-3
0909-000105	IC-REAL TIME CLOCK:72423,	1	U5
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U1,2
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	2	R3,4
2007-000725	R-CHIP:300Kohm,5%,1/8W,DA	1	R1
2007-000768	R-CHIP:330ohm,5%,1/8W,DA,	1	R5
2007-001203	R-CHIP:820ohm,5%,1/8W,DA,	1	R2
2203-001452	C-CERAMIC,CHIP:100nF,20%,	5	C2,4,5,8,9
0601-000243	LED:ROUND,RED,3.1mm,700nm	1	LED1
1202-000138	IC-VOLTAGE COMP.:1232,DIP	1	U6
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C1,3
3404-000115	SWITCH-TACT:12V,50mA,130g	1	SW2
3408-000230	SWITCH-SLIDE:30V,300mA,DP	1	SW1
3703-000179	CONNECTOR-DIN:50P,2R,MALE	1	P8
4302-000126	BATTERY-NICD(2ND):3.6V;1.	1	BT1
GA97-01342A	MEA-CASE:DCS COMPACT,DCS	1	
GA68-10907A	LABEL(P)-RAM:SKP-24D,ART,	1	
GA68-10909A	LABEL(P)-GUIDE:SKP-24D,AR	1	
GA72-40691A	PMO-RAM UPPER:SKP-24D,AB	1	
GA72-40692A	PMO-RAM LOWER:SKP-24D,AB	1	
6002-000147	SCREW-TAPPING:PH,+,2,M3,L	4	
GA99-00900A	PAA-RAM,DCS COMPACT:DCS	1	
GA68-10925A	LABEL(P)-RAM1:SKP-24D,ART	2	
GA68-10931A	LABEL(P)-RAM1:SKP-24D,ART	0.2	
GA69-11114A	BOX(P)-UNIT:STA,SKP-24D,S	1	
GA69-11116A	BOX(P)-CARTON:-,STD,SW5,4	0.1	
GA69-11117A	BOX(P)-SHEET:STA,SKP-24D,	1	
GA69-30541A	BAG-VINYL:PE,T0.04,145x21	1	
GA69-90501A	PA q0 u¶C-SILICAGEL:SiO2,72x	1	

6-4 2SLI

6-4-1 KP24D-B2SLIUK

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10944A	LABEL(P)-2SLI:SKP-24D,AR	1	LAB
GA92-01030A	PBA-2SLI:DCS COMPACT,-,	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	2	T1,2
GA13-10087A	IC-HYB:DCS COMPACT,KP-	2	HYB1,2
GA13-10568A	IC-HYB:TARGET,KP0072SA,S	1	HYB4
GA94-00934A	PRA-2SLI:DCS COMPACT,-,	1	AUT
GA41-10367A	PCB-2SLI,TARGET II,I:SKP-	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,	2	D1,2
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	4	D101,102,201,202
0501-000477	TR-SMALL SIGNAL:MMBT555	2	Q1,2
1205-000394	IC-CODEC/FILTER:TP3057WN	2	U102,202
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,T	2	R112,113
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	2	R1,2
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R101,102,201,202,3
2203-001452	C-CERAMIC,CHIP:100nF,20%	6	C2,4,6,105,113,114
2203-001452	C-CERAMIC,CHIP:100nF,20%	1	C400
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C205,213,214
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	4	C103,104,203,204
4715-000127	SURGE ABSORBER:300V,15%	3	ARS101-103
4715-000127	SURGE ABSORBER:300V,15%	3	ARS201-203
2003-000265	R-METAL OXIDE:300ohm,5%,	1	RW3
2003-000824	R-METAL OXIDE(S):270ohm,2	2	RW1,RW2
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB3
2305-000128	C-FILM,MPEF:100nF,10%,25(	4	C101,102,201,202
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	2	K1,2
3703-000192	CONNECTOR-DIN:64P,2R,MA	1	P5
GA99-00892A	PAA-2SLI,MISC,EXP ST:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81(	1	
GA69-11096A	BOX(P)-UNIT:-,STD,SW5,56	1	
GA69-11104A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20659A	CUSHION-PAD PBA:SKP-36I	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,20(	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-4-2 KP24D-B2SLIAUS

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10944A	LABEL(P)-2SLI:SKP-24D,AR	1	LAB
GA92-01028A	PBA-2SLI:DCS COMPACT,SE	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	2	T1,2
GA13-10087A	IC-HYB:DCS COMPACT,KP-S	2	HYB1,2
GA13-10569A	IC-HYB:TARGET,KP0073SA,S	1	HYB4
GA94-00932A	PRA-2SLI:DCS COMPACT,SE	1	AUT
GA41-10367A	PCB-2SLI,TARGET II,I:SKP-	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,6	2	D1,2
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	4	D101,102,201,202
0501-000477	TR-SMALL SIGNAL:MMBT555	2	Q1,2
1205-000394	IC-CODEC/FILTER:TP3057WN	2	U102,202
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	2	R112,113
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	2	R1,2
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R101,102,201,202,3
2203-001452	C-CERAMIC,CHIP:100nF,20%	6	C2,4,6,105,113,114
2203-001452	C-CERAMIC,CHIP:100nF,20%	1	C400
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C205,213,214
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	4	C103,104,203,204
4715-000127	SURGE ABSORBER:300V,15%	3	ARS101-103
4715-000127	SURGE ABSORBER:300V,15%	3	ARS201-203
2003-000265	R-METAL OXIDE:300ohm,5%,	1	RW3
2003-000824	R-METAL OXIDE(S):270ohm,2	2	RW1,RW2
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB3
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C101,102,201,202
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	2	K1,2
3703-000192	CONNECTOR-DIN:64P,2R,MA	1	P5
GA99-00892A	PAA-2SLI,MISC,EXP ST:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81	1	
GA69-11096A	BOX(P)-UNIT:-,STD,SW5,565	1	
GA69-11104A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20659A	CUSHION-PAD PBA:SKP-36I	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-4-3 KP24D-B2SLIBEL

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10944A	LABEL(P)-2SLI:SKP-24D,AR	1	EJT1,2
GA92-01574A	PBA-2SLI PCB:COMPACT EU	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	2	T1,2
GA13-10087A	IC-HYB:DCS COMPACT,KP-S	2	HYB1,2
GA13-10569A	IC-HYB:TARGET,KP0073SA,S	1	HYB4
GA68-10944A	LABEL(P)-2SLI:SKP-24D,AR	1	LAB
GA94-01265A	PRA-2SLI AUTO:COMPACT E	1	AUT
GA41-10011A	PCB:COMPACT EURO 2SLI/E,	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,	2	D1,2
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	4	D101,102,201,202
0501-000477	TR-SMALL SIGNAL:MMBT555	2	Q1,2
1205-000394	IC-CODEC/FILTER:TP3057WM	2	U102,202
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,T	2	R112,113
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	2	R1,2
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R101,102,201,202,3
2203-001452	C-CERAMIC,CHIP:100nF,20%	6	C2,4,6,105,113,114
2203-001452	C-CERAMIC,CHIP:100nF,20%	1	C400
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C205,213,214
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	4	C103,104,203,204
4715-000127	SURGE ABSORBER:300V,15%	3	ARS101-103
4715-000127	SURGE ABSORBER:300V,15%	3	ARS201-203
2003-000265	R-METAL OXIDE:300ohm,5%,	1	RW3
2003-000824	R-METAL OXIDE(S):270ohm,2	2	RW1,RW2
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB3
2305-000128	C-FILM,MPEF:100nF,10%,25	4	C101,102,201,202
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	2	K1,2
3703-000192	CONNECTOR-DIN:64P,2R,MA	1	P5
GA99-00892A	PAA-2SLI,MISC,EXP ST:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81	1	
GA69-11096A	BOX(P)-UNIT:-,STD,SW5,56	1	
GA69-11104A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20659A	CUSHION-PAD PBA:SKP-36	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,20	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-4-4 KP24D-B2SLIESP

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA68-10944A	LABEL(P)-2SLI:SKP-24D,AR	1	
GA92-01029A	PBA-2SLI:DCS COMPACT,SO	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	2	T1,2
GA13-10087A	IC-HYB:DCS COMPACT,KP-	2	HYB1,2
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10944A	LABEL(P)-2SLI:SKP-24D,AR	1	LAB
GA94-00933A	PRA-2SLI:DCS COMPACT,SO	1	AUT
GA41-10367A	PCB-2SLI,TARGET II,I:SKP-	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,	2	D1,2
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	4	D101,102,201,202
0501-000477	TR-SMALL SIGNAL:MMBT555	2	Q1,2
1205-000394	IC-CODEC/FILTER:TP3057WN	2	U102,202
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,T	2	R112,113
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	2	R1,2
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R101,102,201,202,3
2203-001452	C-CERAMIC,CHIP:100nF,20%	6	C2,4,6,105,113,114
2203-001452	C-CERAMIC,CHIP:100nF,20%	1	C400
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C205,213,214
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	6	C3,5,103,104,203,204
4715-000127	SURGE ABSORBER:300V,15%	3	ARS101-103
4715-000127	SURGE ABSORBER:300V,15%	3	ARS201-203
2003-000265	R-METAL OXIDE:300ohm,5%,	1	RW3
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB3
2305-000128	C-FILM,MPEF:100nF,10%,25	4	C101,102,201,202
2401-000373	C-AL:100uF,20%,63V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	2	K1,2
3703-000192	CONNECTOR-DIN:64P,2R,MA	1	P5
GA99-00892A	PAA-2SLI,MISC,EXP ST:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81	1	
GA69-11096A	BOX(P)-UNIT:-,STD,SW5,56	1	
GA69-11104A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20659A	CUSHION-PAD PBA:SKP-36	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,20	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-4-5 KP24D-B2SLIFIN

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10944A	LABEL(P)-2SLI:SKP-24D,AR	1	LAB
GA92-00058A	PBA:COMPACT EURO 2SLI,NI	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	2	T1,2
GA13-10008A	IC-ASIC:DCS/COMPACT EUR	1	HYB4
GA13-10087A	IC-HYB:DCS COMPACT,KP-	2	HYB1,2
GA94-00057A	PRA:COMPACT EURO 2SLI AU	1	AUT
GA41-10011A	PCB:COMPACT EURO 2SLI/E,	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,	2	D1,2
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	4	D101,102,201,202
0501-000477	TR-SMALL SIGNAL:MMBT555	2	Q1,2
1205-000394	IC-CODEC/FILTER:TP3057WN	2	U102,202
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	2	R112,113
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	2	R1,2
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R101,102,201,202,3
2203-001452	C-CERAMIC,CHIP:100nF,20%	6	C2,4,6,105,113,114
2203-001452	C-CERAMIC,CHIP:100nF,20%	1	C400
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C205,213,214
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	4	C103,104,203,204
4715-000127	SURGE ABSORBER:300V,15%	3	ARS101-103
4715-000127	SURGE ABSORBER:300V,15%	3	ARS201-203
2003-000265	R-METAL OXIDE:300ohm,5%,	1	RW3
2003-000824	R-METAL OXIDE(S):270ohm,2	2	RW1,RW2
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB3
2305-000128	C-FILM,MPEF:100nF,10%,25(	4	C101,102,201,202
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	2	K1,2
3703-000192	CONNECTOR-DIN:64P,2R,MA	1	P5
GA99-00892A	PAA-2SLI,MISC,EXP ST:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81(	1	
GA69-11096A	BOX(P)-UNIT:-,STD,SW5,56	1	
GA69-11104A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20659A	CUSHION-PAD PBA:SKP-36I	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,20(	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-4-6 KP24D-B2SLIGE

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10944A	LABEL(P)-2SLI:SKP-24D,AR	1	LAB
GA92-01028A	PBA-2SLI:DCS COMPACT,SE	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	2	T1,2
GA13-10087A	IC-HYB:DCS COMPACT,KP-S	2	HYB1,2
GA13-10569A	IC-HYB:TARGET,KP0073SA,S	1	HYB4
GA94-00932A	PRA-2SLI:DCS COMPACT,SE	1	AUT
GA41-10367A	PCB-2SLI,TARGET II,I:SKP-	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,	2	D1,2
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	4	D101,102,201,202
0501-000477	TR-SMALL SIGNAL:MMBT555	2	Q1,2
1205-000394	IC-CODEC/FILTER:TP3057WN	2	U102,202
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	2	R112,113
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	2	R1,2
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R101,102,201,202,3
2203-001452	C-CERAMIC,CHIP:100nF,20%	6	C2,4,6,105,113,114
2203-001452	C-CERAMIC,CHIP:100nF,20%	1	C400
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C205,213,214
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	4	C103,104,203,204
4715-000127	SURGE ABSORBER:300V,15%	3	ARS101-103
4715-000127	SURGE ABSORBER:300V,15%	3	ARS201-203
2003-000265	R-METAL OXIDE:300ohm,5%,	1	RW3
2003-000824	R-METAL OXIDE(S):270ohm,2	2	RW1,RW2
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB3
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C101,102,201,202
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	2	K1,2
3703-000192	CONNECTOR-DIN:64P,2R,MA	1	P5
GA99-00892A	PAA-2SLI,MISC,EXP ST:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81	1	
GA69-11096A	BOX(P)-UNIT:-,STD,SW5,565	1	
GA69-11104A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20659A	CUSHION-PAD PBA:SKP-36I	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-4-7 KP24D-B2SLIHOL

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10944A	LABEL(P)-2SLI:SKP-24D,AR	1	LAB
GA92-00058A	PBA:COMPACT EURO 2SLI,NI	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	2	T1,2
GA13-10008A	IC-ASIC:DCS/COMPACT EUR	1	HYB4
GA13-10087A	IC-HYB:DCS COMPACT,KP-	2	HYB1,2
GA94-00057A	PRA:COMPACT EURO 2SLI AU	1	AUT
GA41-10011A	PCB:COMPACT EURO 2SLI/E,	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,	2	D1,2
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	4	D101,102,201,202
0501-000477	TR-SMALL SIGNAL:MMBT555	2	Q1,2
1205-000394	IC-CODEC/FILTER:TP3057WN	2	U102,202
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,T	2	R112,113
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	2	R1,2
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R101,102,201,202,3
2203-001452	C-CERAMIC,CHIP:100nF,20%	6	C2,4,6,105,113,114
2203-001452	C-CERAMIC,CHIP:100nF,20%	1	C400
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C205,213,214
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	4	C103,104,203,204
4715-000127	SURGE ABSORBER:300V,15%	3	ARS101-103
4715-000127	SURGE ABSORBER:300V,15%	3	ARS201-203
2003-000265	R-METAL OXIDE:300ohm,5%,	1	RW3
2003-000824	R-METAL OXIDE(S):270ohm,2	2	RW1,RW2
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB3
2305-000128	C-FILM,MPEF:100nF,10%,25(	4	C101,102,201,202
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	2	K1,2
3703-000192	CONNECTOR-DIN:64P,2R,MA	1	P5
GA99-00892A	PAA-2SLI,MISC,EXP ST:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81(	1	
GA69-11096A	BOX(P)-UNIT:-,STD,SW5,56	1	
GA69-11104A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20659A	CUSHION-PAD PBA:SKP-36I	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,20(	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-4-8 KP24D-B2SLINOR

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10944A	LABEL(P)-2SLI:SKP-24D,AR	1	LAB
GA92-00054A	PBA:COMPACT_EURO,2SLI,TE	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	2	T1,2
GA13-10087A	IC-HYB:DCS COMPACT,KP-S	2	HYB1,2
GA13-10569A	IC-HYB:TARGET,KP0073SA,S	1	HYB4
GA94-00065A	PRA:COMPACT_EURO,2SLI,AU	1	AUT
GA41-10011A	PCB:COMPACT EURO 2SLI/E,	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,6	2	D1,2
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	4	D101,102,201,202
0501-000477	TR-SMALL SIGNAL:MMBT555	2	Q1,2
1205-000394	IC-CODEC/FILTER:TP3057WN	2	U102,202
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	2	R112,113
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	2	R1,2
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R101,102,201,202,3
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,	2	R301,302
2203-001452	C-CERAMIC,CHIP:100nF,20%	6	C2,4,6,105,113,114
2203-001452	C-CERAMIC,CHIP:100nF,20%	1	C400
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C205,213,214
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	4	C103,104,203,204
4715-000127	SURGE ABSORBER:300V,15%	3	ARS101-103
4715-000127	SURGE ABSORBER:300V,15%	3	ARS201-203
2003-000265	R-METAL OXIDE:300ohm,5%,	1	RW3
2003-000824	R-METAL OXIDE(S):270ohm,2	2	RW1,RW2
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB3
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C101,102,201,202
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	2	K1,2
3703-000192	CONNECTOR-DIN:64P,2R,MA	1	P5
GA99-00892A	PAA-2SLI,MISC,EXP ST:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81	1	
GA69-11096A	BOX(P)-UNIT:-,STD,SW5,56	1	
GA69-11104A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20659A	CUSHION-PAD PBA:SKP-36	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-4-9 KP24D-B2SLIPOL

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10944A	LABEL(P)-2SLI:SKP-24D,AR	1	LAB
GA92-00065A	PBA:COMPACT EURO 2SLI,ME	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	2	T1,2
GA13-10010A	IC-ASIC:DCS/COMPACT EUR	1	HYB4
GA13-10087A	IC-HYB:DCS COMPACT,KP-S	2	HYB1,2
GA94-00054A	PRA:COMPACT EURO 2SLI AU	1	AUT
GA41-10011A	PCB:COMPACT EURO 2SLI/E,	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,(	2	D1,2
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	4	D101,102,201,202
0501-000477	TR-SMALL SIGNAL:MMBT555	2	Q1,2
1205-000394	IC-CODEC/FILTER:TP3057WN	2	U102,202
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	2	R112,113
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	2	R1,2
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R101,102,201,202,3
2203-001452	C-CERAMIC,CHIP:100nF,20%	6	C2,4,6,105,113,114
2203-001452	C-CERAMIC,CHIP:100nF,20%	1	C400
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C205,213,214
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	4	C103,104,203,204
4715-000127	SURGE ABSORBER:300V,15%	3	ARS101-103
4715-000127	SURGE ABSORBER:300V,15%	3	ARS201-203
2003-000265	R-METAL OXIDE:300ohm,5%,	1	RW3
2003-000824	R-METAL OXIDE(S):270ohm,2	2	RW1,RW2
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB3
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C101,102,201,202
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	2	K1,2
3703-000192	CONNECTOR-DIN:64P,2R,MA	1	P5
GA99-00892A	PAA-2SLI,MISC,EXP ST:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81(	1	
GA69-11096A	BOX(P)-UNIT:-,STD,SW5,565	1	
GA69-11104A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20659A	CUSHION-PAD PBA:SKP-36H	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-4-10 KP24D-B2SLIPOR

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10944A	LABEL(P)-2SLI:SKP-24D,AR	1	LAB
GA92-00058A	PBA:COMPACT EURO 2SLI,NI	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	2	T1,2
GA13-10008A	IC-ASIC:DCS/COMPACT EUR	1	HYB4
GA13-10087A	IC-HYB:DCS COMPACT,KP-S	2	HYB1,2
GA94-00057A	PRA:COMPACT EURO 2SLI AU	1	AUT
GA41-10011A	PCB:COMPACT EURO 2SLI/E,	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,(	2	D1,2
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	4	D101,102,201,202
0501-000477	TR-SMALL SIGNAL:MMBT555	2	Q1,2
1205-000394	IC-CODEC/FILTER:TP3057WM	2	U102,202
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	2	R112,113
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	2	R1,2
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R101,102,201,202,3
2203-001452	C-CERAMIC,CHIP:100nF,20%	6	C2,4,6,105,113,114
2203-001452	C-CERAMIC,CHIP:100nF,20%	1	C400
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C205,213,214
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	4	C103,104,203,204
4715-000127	SURGE ABSORBER:300V,15%	3	ARS101-103
4715-000127	SURGE ABSORBER:300V,15%	3	ARS201-203
2003-000265	R-METAL OXIDE:300ohm,5%,	1	RW3
2003-000824	R-METAL OXIDE(S):270ohm,2	2	RW1,RW2
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB3
2305-000128	C-FILM,MPEF:100nF,10%,25(	4	C101,102,201,202
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	2	K1,2
3703-000192	CONNECTOR-DIN:64P,2R,MA	1	P5
GA99-00892A	PAA-2SLI,MISC,EXP ST:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81(	1	
GA69-11096A	BOX(P)-UNIT:-,STD,SW5,56	1	
GA69-11104A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20659A	CUSHION-PAD PBA:SKP-36I	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,20(	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-4-11 KP24D-B2SLISE

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10944A	LABEL(P)-2SLI:SKP-24D,AR	1	EJT1,2
GA92-01574A	PBA-2SLI PCB:COMPACT EU	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	2	T1,2
GA13-10087A	IC-HYB:DCS COMPACT,KP-S	2	HYB1,2
GA13-10569A	IC-HYB:TARGET,KP0073SA,S	1	HYB4
GA68-10944A	LABEL(P)-2SLI:SKP-24D,AR	1	LAB
GA94-01265A	PRA-2SLI AUTO:COMPACT E	1	AUT
GA41-10011A	PCB:COMPACT EURO 2SLI/E,	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,	2	D1,2
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	4	D101,102,201,202
0501-000477	TR-SMALL SIGNAL:MMBT555	2	Q1,2
1205-000394	IC-CODEC/FILTER:TP3057WN	2	U102,202
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	2	R112,113
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	2	R1,2
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R101,102,201,202,3
2203-001452	C-CERAMIC,CHIP:100nF,20%	6	C2,4,6,105,113,114
2203-001452	C-CERAMIC,CHIP:100nF,20%	1	C400
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C205,213,214
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	4	C103,104,203,204
4715-000127	SURGE ABSORBER:300V,15%	3	ARS101-103
4715-000127	SURGE ABSORBER:300V,15%	3	ARS201-203
2003-000265	R-METAL OXIDE:300ohm,5%,	1	RW3
2003-000824	R-METAL OXIDE(S):270ohm,2	2	RW1,RW2
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB3
2305-000128	C-FILM,MPEF:100nF,10%,25(	4	C101,102,201,202
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	2	K1,2
3703-000192	CONNECTOR-DIN:64P,2R,MA	1	P5
GA99-00892A	PAA-2SLI,MISC,EXP ST:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81(	1	
GA69-11096A	BOX(P)-UNIT:-,STD,SW5,56	1	
GA69-11104A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20659A	CUSHION-PAD PBA:SKP-36	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,20(	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-4-12 KP24D-B2SLITEC

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10944A	LABEL(P)-2SLI:SKP-24D,AR	1	LAB
GA92-01027A	PBA-2SLI:DCS COMPACT,TE	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	2	T1,2
GA13-10087A	IC-HYB:DCS COMPACT,KP-S	2	HYB1,2
GA13-10563A	IC-HYB:TARGET,KP0071SA,S	1	HYB4
GA94-00931A	PRA-2SLI:DCS COMPACT,TE	1	AUT
GA41-10367A	PCB-2SLI,TARGET II,I:SKP-	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,	2	D1,2
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	4	D101,102,201,202
0501-000477	TR-SMALL SIGNAL:MMBT555	2	Q1,2
1205-000394	IC-CODEC/FILTER:TP3057WN	2	U102,202
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,T	2	R112,113
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	2	R1,2
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R101,102,201,202,3
2203-001452	C-CERAMIC,CHIP:100nF,20%	6	C2,4,6,105,113,114
2203-001452	C-CERAMIC,CHIP:100nF,20%	1	C400
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C205,213,214
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	4	C103,203,104,204
4715-000127	SURGE ABSORBER:300V,15%	3	ARS101-103
4715-000127	SURGE ABSORBER:300V,15%	3	ARS201-203
2003-000265	R-METAL OXIDE:300ohm,5%,	1	RW3
2003-000824	R-METAL OXIDE(S):270ohm,2	2	RW1,RW2
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB3
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C101,102,201,202
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	2	K1,2
3703-000192	CONNECTOR-DIN:64P,2R,MA	1	P5
GA99-00892A	PAA-2SLI,MISC,EXP ST:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81	1	
GA69-11096A	BOX(P)-UNIT:-,STD,SW5,56	1	
GA69-11104A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20659A	CUSHION-PAD PBA:SKP-36	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-5 EXP BASE

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA92-01049A	PBA-EXPANSION BASE:DCS C	1	
GA39-20050A	CBF-SIGNAL:DCS COMPACT,	2	GND1,2
GA39-20070A	CBF-SIGNAL:KP50D-M,FLAT,	1	P11
GA41-10374A	PCB-EXPANSION,TARGET:SKI	1	PCB
3702-000172	CONNECTOR-RIBBON:50P,FE	1	P2
3703-000121	CONNECTOR-DIN:20P,2R,FEM	3	P12,14,16
3703-000176	CONNECTOR-DIN:50P,2R,FEM	3	P13,15,17
3703-000236	CONNECTOR-DIN:10P,2R,FEM	3	P18,19,20
3711-000171	CONNECTOR-HEADER:1WALL	2	GND1,2
3711-001025	CONNECTOR-HEADER:BOX,6	1	P11
6002-000326	SCREW-TAPPING:PH,+,2,M3.	2	P1,P1
GA96-00596A	ELA-SPARE PART:DCS COMP/	1	
GA69-30560A	BAG-PE:PE,T0.05,90X120,KP	1	
3301-000144	CORE-FERRITE:AC,6x0.8x10m	1	
6002-000328	SCREW-TAPPING:PH,+,2,M4,	5	
6002-000372	SCREW-TAPPING:PH,+,2,M4,	3	
6501-000111	CABLE-TIE:CT-190,-,W4.8,L	1	
GA99-00897A	PAA-EXP BASE:DCS COMPAC	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11101A	BOX(P)-UNIT:-,STD,SW5,740	1	
GA69-11109A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-11113A	BOX(P)-SHEET:STA,SKP-24D	1	
GA69-20592A	CUSHION-PAD:SKP-24D,PUR	1	
GA69-20593A	CUSHION-PAD:SKP-24D,PUR	1	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	
GA72-40690A	PMO-FACE BRACKET:SKP-24	1	

6-6 A15

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA92-01093A	PBA-AC15:DCS COMPACT,-	1	
BH39-40305U	CBF-HARNESS:,52MM,,,AWG	6	TP1-TP6
GA13-10570A	IC-HYB:TARGET,KP-AC15Uk	3	HYB1-3
GA26-50068A	TRANS-MATCHING,DCS:MAT	6	T1-3,T5-7
GA94-00993A	PRA-AC15:DCS COMPACT,-	1	AUT1
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	1	U32
GA41-10388A	PCB-AC15,TARGET II,I:SKP-	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	12	SBT1-12
0401-000128	DIODE-SWITCHING:HSK120,(	3	D1-3
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	9	ZD1-3,ZD5-7,ZD9-11
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	3	ZD13-15
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U31,36
0801-000810	IC-CMOS LOGIC:4538,MULTI	3	U17-19
1001-000172	IC-ANALOG SWITCH:MC1405	6	U5-7,U25-27
1201-000236	IC-OP AMP:84,SOP,14P,150M	7	U1-U3,U21-U23,U33
1201-000236	IC-OP AMP:84,SOP,14P,150M	2	U34-U35
1202-000171	IC-VOLTAGE COMP.:339,SOF	1	U29
1205-000394	IC-CODEC/FILTER:TP3057WN	3	U9-11
2007-000279	R-CHIP:100Kohm,1%,1/8W,D	6	R9-11,R41-43
2007-000279	R-CHIP:100Kohm,1%,1/8W,D	7	R78,R81-83,R101-103
2007-000279	R-CHIP:100Kohm,1%,1/8W,D	6	R105-107,R129-131
2007-000279	R-CHIP:100Kohm,1%,1/8W,D	6	R181-183,R185-187
2007-000279	R-CHIP:100Kohm,1%,1/8W,D	4	R171,R205,R213,R221
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	17	R141-144,R146-158
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	8	R160-166,R173
2007-000299	R-CHIP:10Kohm,1%,1/8W,DA	5	R17-19,R207,R215
2007-000299	R-CHIP:10Kohm,1%,1/8W,DA	1	R223
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	9	R5-7,R21-23,R57-59
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	6	R85-87,R93-95
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	5	R137-139,R204,R212
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	4	R220,R208,R216,R224
2007-000318	R-CHIP:110Kohm,5%,1/8W,D	7	R37-39,R113-115,R225
2007-000318	R-CHIP:110Kohm,5%,1/8W,D	2	R227,R229
2007-000359	R-CHIP:12Kohm,5%,1/8W,DA	2	R47-48
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,	1	R172
2007-000542	R-CHIP:200ohm,5%,1/8W,DA	4	R170,180,184,188
2007-000548	R-CHIP:20Kohm,5%,1/8W,DA	3	R69-71
2007-000656	R-CHIP:27Kohm,5%,1/8W,DA	3	R177-179
2007-000676	R-CHIP:2Mohm,5%,1/8W,DA,	3	R73-75
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,D,	5	R174,R176,R167-169
2007-000725	R-CHIP:300Kohm,5%,1/8W,D	3	R53-55
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA	3	R226,R228,R230
2007-000777	R-CHIP:33Kohm,5%,1/8W,DA	1	R77
2007-000820	R-CHIP:390Kohm,5%,1/8W,D	3	R133-135
2007-000824	R-CHIP:390ohm,5%,1/8W,DA	3	R89-91

2007-000875	R-CHIP:4.7Kohm,5%,1/8W,D	5	R25-27,R202,R210
2007-000875	R-CHIP:4.7Kohm,5%,1/8W,D	1	R218
2007-000914	R-CHIP:43Kohm,5%,1/8W,DA	6	R33-35,R121-123
2007-000927	R-CHIP:470Kohm,5%,1/8W,D	1	R79
2007-000944	R-CHIP:47Kohm,5%,1/8W,DA	6	R1-3,R201,R209,R217
2007-001041	R-CHIP:56Kohm,5%,1/8W,DA	3	R109-111
2007-001073	R-CHIP:6.8Kohm,5%,1/8W,D	1	R45
2007-001081	R-CHIP:604ohm,1%,1/8W,DA	6	R97-99,R190,191,189
2007-001154	R-CHIP:750ohm,1%,1/8W,DA	5	R13-15,R206,R214
2007-001154	R-CHIP:750ohm,1%,1/8W,DA	1	R222
2007-001337	R-CHIP:133Kohm,1%,1/8W,D	3	R117-R119
2203-000242	C-CERAMIC,CHIP:100pF,5%,	1	C143
2203-000262	C-CERAMIC,CHIP:10nF,10%,	5	C105-107,C110-111
2203-000262	C-CERAMIC,CHIP:10nF,10%,	6	C133-135,C137-139
2203-000262	C-CERAMIC,CHIP:10nF,10%,	9	C144-148,C150-153
2203-000262	C-CERAMIC,CHIP:10nF,10%,	3	C155-157
2203-000262	C-CERAMIC,CHIP:10nF,10%,	5	C57-59,C89,90
2203-000262	C-CERAMIC,CHIP:10nF,10%,	6	C113-115,C117-119
2203-000262	C-CERAMIC,CHIP:10nF,10%,	9	C121-123,C125-130
2203-000262	C-CERAMIC,CHIP:10nF,10%,	2	C72,C120
2203-000380	C-CERAMIC,CHIP:15pF,10%,	3	C25-C27
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	6	C69-71,C85-87
2203-001452	C-CERAMIC,CHIP:100nF,20%	9	C29-31,C33-35,C45-47
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C51,56,64
2203-001452	C-CERAMIC,CHIP:100nF,20%	1	C149
2203-001466	C-CERAMIC,CHIP:180pF,5%,	3	C77-79
2203-001484	C-CERAMIC,CHIP:27nF,10%,	6	C210-215
2203-001501	C-CERAMIC,CHIP:820pF,5%,	6	C73-75,C81-83
2301-000335	C-FILM,PEF:10nF,5%,50V,TP	1	C60
2301-000349	C-FILM,PEF:3.3nF,5%,50V,T	12	C1-3,C5-7,C201-206
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	6	C37-39,C41-43
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C50,55
2401-001576	C-AL:47uF,20%,50V,GP,TP,8	3	C207-209
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD3
3301-000345	CORE-FERRITE BEAD:ZZ,3.5	2	BD1,2
4715-000119	SURGE ABSORBER:400V,15%	6	DSS5-DSS7,DSS13-15
4715-000127	SURGE ABSORBER:300V,15%	6	DSS1-DSS3,DSS9-DSS11
1205-000218	IC-GENERATOR:XR-8038CP	1	U30
2103-000192	VR-SEMI:1Kohm,10%,1/4W,T	7	VR1,2,3,5,6,7,8
3703-000124	CONNECTOR-DIN:20P,2R,MA	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MA	1	P1
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,59	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PU	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-7 4TRK

6-7-1 KP24D-B4TRKUK

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA68-10953A	LABEL(P)-4TRK:SKP-24D,AR	2	EJT1,2
GA92-01069A	PBA-4TRK:DCS COMPACT,-,	1	
GA13-10566A	IC-HYB:TARGET,KP0052SA,SI	2	HYB1,2
GA26-50068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
GA94-00969A	PRA-4TRK:DCS COMPACT,-,	1	AUT
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	1	U1
GA41-10381A	PCB-4TRK,TARGET II,I:SKP-	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D103,104,203,204,303
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	3	D304,403,404
0501-000477	TR-SMALL SIGNAL:MMBT555C	4	Q1-4
0604-000102	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-000102	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR (	1	U3
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,4
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
1205-000394	IC-CODEC/FILTER:TP3057WM	4	U105,205,305,405
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R125,225,325,425
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R110,210,310,410
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R15
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R9-12,R17-37,R42
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	7	R1-4,R104,108,204
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	5	R208,304,308,404,408
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R43
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	1	R16
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	3	R13,14,45
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-000934	R-CHIP:470ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	1	C13
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	2	C14,4
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	2	C407,409
2203-001450	C-CERAMIC,CHIP:100nF,10%	5	C120,121,220,221,320
2203-001450	C-CERAMIC,CHIP:100nF,10%	3	C321,420,421
2203-001450	C-CERAMIC,CHIP:100nF,10%	11	C2,C6-12,16,17,22
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C119,122,319,322
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408

2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000276	R-METAL OXIDE:33ohm,5%,1W	4	R106,206,306,406
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000574	C-FILM,MPEF:2.2uF,10%,250	4	C104,204,304,404
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW,:	4	K1-4
3703-000124	CONNECTOR-DIN:20P,2R,MAI	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MAI	1	P1
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PUF	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-7-2 KP24D-B4TRKAUS

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA68-10953A	LABEL(P)-4TRK:SKP-24D,AR	2	EJT1,2
GA92-01619A	PBA-4TRK:DCS COMPACT,AU	1	
GA13-10567A	IC-HYB:TARGET,KP0053SA,SI	2	HYB1,2
GA26-50068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
GA94-01306A	PRA-4TRK:DCS COMPACT,AU	1	AUT
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	1	U1
GA41-10009A	PCB:COMPACT EURO 4TRK/E,	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D103,104,203,204,303
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	3	D304,403,404
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD103,104,203,204
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD303,304,403,404
0501-000477	TR-SMALL SIGNAL:MMBT555(	4	Q1-4
0604-001002	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-001002	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR (	1	U3
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,4
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
1205-000394	IC-CODEC/FILTER:TP3057WM	4	U105,205,305,405
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R125,225,325,425
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R110,210,310,410
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R15
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R9-12,R17-37,R42
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	7	R1-4,R104,108,204
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	5	R208,304,308,404,408
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R43
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	1	R16
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	3	R13,14,45
2007-000568	R-CHIP:220Kohm,5%,1/8W,DA	4	R109,209,309,409
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	1	C13
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	2	C14,4
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	2	C407,409
2203-001450	C-CERAMIC,CHIP:100nF,10%	5	C120,121,220,221,320
2203-001450	C-CERAMIC,CHIP:100nF,10%	3	C321,420,421
2203-001450	C-CERAMIC,CHIP:100nF,10%	11	C2,C6-12,16,17,22
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C119,122,319,322
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406

2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000358	R-METAL OXIDE:68ohm,5%,1W	4	R106,206,306,406
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C101,102,201,202
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C301,302,401,402
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000475	C-FILM,MPEF:820nF,10%,250	4	C104,204,304,404
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW,	4	K1-4
3703-000124	CONNECTOR-DIN:20P,2R,MAL	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MAL	1	P1
3704-001001	SOCKET-IC:8P,SIP,SN,2.54m	4	P10,11,12,13
3704-001001	SOCKET-IC:8P,SIP,SN,2.54m	4	P6,7,8,9
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PUF	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-7-3 KP24D-B4TRKBEL

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA92-01573A	PBA-4TRK PCB:COMPACT EU	1	
GA13-10567A	IC-HYB:TARGET,KP0053SA,SI	2	HYB1,2
GA26-50068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA68-10953A	LABEL(P)-4TRK:SKP-24D,AR	2	EJT1,2
GA94-01264A	PRA-4TRK AUTO:COMPACT E	1	AUT
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	1	U1
GA41-10009A	PCB:COMPACT EURO 4TRK/E,	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D103,104,203,204,303
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	3	D304,403,404
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD103,104,203,204
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD303,304,403,404
0501-000477	TR-SMALL SIGNAL:MMBT555(	4	Q1-4
0604-001002	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-001002	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR (	1	U3
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,4
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
1205-000394	IC-CODEC/FILTER:TP3057WM	4	U105,205,305,405
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R110,210,310,410
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R125,225,325,425
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R15
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R9-12,R17-37,R42
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	7	R1-4,R104,108,204
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	5	R208,304,308,404,408
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R43
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	1	R16
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	3	R13,14,45
2007-000568	R-CHIP:220Kohm,5%,1/8W,DA	4	R109,209,309,409
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	1	C13
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	2	C14,4
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	2	C407,409
2203-001450	C-CERAMIC,CHIP:100nF,10%	5	C120,121,220,221,320
2203-001450	C-CERAMIC,CHIP:100nF,10%	3	C321,420,421
2203-001450	C-CERAMIC,CHIP:100nF,10%	11	C2,C6-12,16,17,22
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C119,122,319,322
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406

2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000276	R-METAL OXIDE:33ohm,5%,1W	4	R106,206,306,406
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C101,102,201,202
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C301,302,401,402
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000475	C-FILM,MPEF:820nF,10%,250	4	C104,204,304,404
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW,:	4	K1-4
3703-000124	CONNECTOR-DIN:20P,2R,MAI	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MAI	1	P1
3704-001001	SOCKET-IC:8P,SIP,SN,2.54m	4	P6,7,8,9
3704-001002	SOCKET-IC:8P,SIP,SN,2.54m	2	HYB3,HYB4
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PUF	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-7-4 KP24D-B4TRKESP

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA92-01068A	PBA-4TRK:DCS COMPACT,SC	1	
GA26-50068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA68-10953A	LABEL(P)-4TRK:SKP-24D,AR	2	EJT1,2
GA94-00968A	PRA-4TRK:DCS COMPACT,SC	1	AUT
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	1	U1
GA41-10381A	PCB-4TRK,TARGET II,I:SKP-	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D103,104,203,204,303
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	3	D304,403,404
0601-000477	TR-SMALL SIGNAL:MMBT555C	4	Q1-4
0604-000102	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-000102	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR (	1	U3
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,4
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
1205-000394	IC-CODEC/FILTER:TP3057WM	4	U105,205,305,405
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R125,225,325,425
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R110,210,310,410
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R15
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R9-12,R17-37,R42
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	7	R1-4,R104,108,204
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	5	R208,304,308,404,408
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R43
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	1	R16
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	3	R13,14,45
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-000934	R-CHIP:470ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	1	C13
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	2	C14,4
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	2	C407,409
2203-001450	C-CERAMIC,CHIP:100nF,10%	5	C120,121,220,221,320
2203-001450	C-CERAMIC,CHIP:100nF,10%	3	C321,420,421
2203-001450	C-CERAMIC,CHIP:100nF,10%	11	C2,C6-12,16,17,22
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C119,122,319,322
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000373	C-AL:100uF,20%,63V,GP,TP,	1	C1
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401

4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000276	R-METAL OXIDE:33ohm,5%,1W	4	R106,206,306,406
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000475	C-FILM,MPEF:820nF,10%,250	4	C104,204,304,404
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
3501-000210	RELAY-MINIATURE:5V,98mW,	4	K1-4
3703-000124	CONNECTOR-DIN:20P,2R,MAL	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MAL	1	P1
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PUF	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-7-5 KP24D-B4TRKFIN

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
KP24D-B4TRKF	FI006:	1	
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA68-10953A	LABEL(P)-4TRK:SKP-24D,AR	2	EJT1,2
GA92-00037A	PBA:COMPACT_EURO,4TRK,N	1	
GA13-10007A	IC-ASIC:DCS/COMPACT EURC	2	HYB1,2
GA26-50068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
GA94-00037A	PRA:COMPACT_E,4TRK,AUT,N	1	AUT
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	1	U1
GA41-10009A	PCB:COMPACT EURO 4TRK/E,	1	PCB,REV.02
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D103,104,203,204,303
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	3	D304,403,404
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD103,104,203,204
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD303,304,403,404
0501-000477	TR-SMALL SIGNAL:MMBT555C	4	Q1-4
0604-001002	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-001002	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR (	1	U3
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,4
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
1205-000394	IC-CODEC/FILTER:TP3057WM	4	U105,205,305,405
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R125,225,325,425
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R110,210,310,410
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R15
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R9-12,R17-37,R42
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	7	R1-4,R104,108,204
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	5	R208,304,308,404,408
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R43
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	1	R16
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	3	R13,14,45
2007-000568	R-CHIP:220Kohm,5%,1/8W,DA	4	R109,209,309,409
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	1	C13
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	2	C14,4
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	2	C407,409
2203-001450	C-CERAMIC,CHIP:100nF,10%	5	C120,121,220,221,320
2203-001450	C-CERAMIC,CHIP:100nF,10%	3	C321,420,421
2203-001450	C-CERAMIC,CHIP:100nF,10%	11	C2,C6-12,16,17,22
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C119,122,319,322

2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000276	R-METAL OXIDE:33ohm,5%,1\	4	R106,206,306,406
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C101,102,201,202
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C301,302,401,402
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000475	C-FILM,MPEF:820nF,10%,250	4	C104,204,304,404
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW,:	4	K1-4
3703-000124	CONNECTOR-DIN:20P,2R,MAI	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MAI	1	P1
3704-001001	SOCKET-IC:8P,SIP,SN,2.54m	4	P6,7,8,9
3704-001002	SOCKET-IC:8P,SIP,SN,2.54m	2	HYB3,HYB4
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PUF	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-7-6 KP24D-B4TRKGE

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
KP24D-B4TRKG	DE055:	1	
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA68-10953A	LABEL(P)-4TRK:SKP-24D,AR	2	EJT1,2
GA92-01067A	PBA-4TRK:DCS COMPACT,SE	1	
GA13-10567A	IC-HYB:TARGET,KP0053SA,SI	2	HYB1,2
GA26-50068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
GA94-00967A	PRA-4TRK:DCS COMPACT,SE	1	AUT
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	1	U1
GA41-10381A	PCB-4TRK,TARGET II,I:SKP-	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D103,104,203,204,303
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	3	D304,403,404
0501-000477	TR-SMALL SIGNAL:MMBT555C	4	Q1-4
0604-001002	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-001002	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR G	1	U3
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,4
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
1205-000394	IC-CODEC/FILTER:TP3057WM	4	U105,205,305,405
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R125,225,325,425
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R15
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R9-12,R17-37,R42
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	7	R1-4,R104,108,204
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	5	R208,304,308,404,408
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R43
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	1	R16
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	3	R13,14,45
2007-000725	R-CHIP:300Kohm,5%,1/8W,DA	4	R109,209,309,409
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	1	C13
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	2	C14,4
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,109,205,209,305
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	3	C309,405,409
2203-000927	C-CERAMIC,CHIP:470nF,10%	4	C107,207,307,407
2203-001450	C-CERAMIC,CHIP:100nF,10%	5	C120,121,220,221,320
2203-001450	C-CERAMIC,CHIP:100nF,10%	3	C321,420,421
2203-001450	C-CERAMIC,CHIP:100nF,10%	11	C2,C6-12,16,17,22
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C119,122,319,322
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408

2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
JF27-30053A	COIL-RF:SF2600,4MH,7.5OHM	4	L101,201,301,401
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000358	R-METAL OXIDE:68ohm,5%,1W	4	R106,206,306,406
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C101,102,201,202
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C301,302,401,402
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000297	C-FILM,MPEF:22nF,10%,250V	4	C110,210,310,410
2305-000475	C-FILM,MPEF:820nF,10%,250	4	C104,204,304,404
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW,:	4	K1-4
3703-000124	CONNECTOR-DIN:20P,2R,MAL	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MAL	1	P1
3704-001001	SOCKET-IC:8P,SIP,SN,2.54m	4	P6,7,8,9
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PUF	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-7-7 KP24D-B4TRKGR

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA68-10953A	LABEL(P)-4TRK:SKP-24D,AR	2	EJT1,2
GA92-01742A	PBA-4TRK:DCS COMPACT,GF	1	
GA13-10566A	IC-HYB:TARGET,KP0052SA,SI	2	HYB1,2
GA26-50068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
GA94-02013A	PRA-4TRK:DCS COMPACT,GF	1	AUT
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	1	U1
GA41-10009A	PCB:COMPACT EURO 4TRK/E,	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D103,104,203,204,303
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	3	D304,403,404
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD103,104,203,204
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD303,304,403,404
0501-000477	TR-SMALL SIGNAL:MMBT555C	4	Q1-4
0604-001002	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-001002	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR (	1	U3
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,4
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
1205-000394	IC-CODEC/FILTER:TP3057WM	4	U105,205,305,405
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R125,225,325,425
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R110,210,310,410
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R15
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R9-12,R17-37,R42
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	7	R1-4,R104,108,204
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	5	R208,304,308,404,408
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R43
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	1	R16
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	3	R13,14,45
2007-000568	R-CHIP:220Kohm,5%,1/8W,DA	4	R109,209,309,409
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-000934	R-CHIP:470ohm,5%,1/8W,DA,	4	R103.203.303,403
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	1	C13
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	2	C14,4
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	2	C407,409
2203-001450	C-CERAMIC,CHIP:100nF,10%	5	C120,121,220,221,320
2203-001450	C-CERAMIC,CHIP:100nF,10%	3	C321,420,421
2203-001450	C-CERAMIC,CHIP:100nF,10%	11	C2,C6-12,16,17,22
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C119,122,319,322
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406

2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000276	R-METAL OXIDE:33ohm,5%,1W	4	R106,206,306,406
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C101,102,201,202
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C301,302,401,402
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000574	C-FILM,MPEF:2.2uF,10%,250	4	C104,204,304,404
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3601-000210	RELAY-MINIATURE:5V,98mW,1	4	K1-4
3703-000124	CONNECTOR-DIN:20P,2R,MAL	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MAL	1	P1
3704-001001	SOCKET-IC:8P,SIP,SN,2.54m	4	P6,7,8,9
3704-001002	SOCKET-IC:8P,SIP,SN,2.54m	2	HYB3,4
GA09-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PUF	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-7-8 KP24D-B4TRKHOL

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA68-10953A	LABEL(P)-4TRK:SKP-24D,AR	2	EJT1,2
GA92-00037A	PBA:COMPACT_EURO,4TRK,N	1	
GA13-10007A	IC-ASIC:DCS/COMPACT EURC	2	HYB1,2
GA26-50068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
GA94-00037A	PRA:COMPACT_E,4TRK,AUT,N	1	AUT
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	1	U1
GA41-10009A	PCB:COMPACT EURO 4TRK/E,	1	PCB,REV.02
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D103,104,203,204,303
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	3	D304,403,404
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD103,104,203,204
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD303,304,403,404
0501-000477	TR-SMALL SIGNAL:MMBT555C	4	Q1-4
0604-001002	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-001002	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR (	1	U3
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,4
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
1205-000394	IC-CODEC/FILTER:TP3057WM	4	U105,205,305,405
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R125,225,325,425
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R110,210,310,410
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R15
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R9-12,R17-37,R42
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	7	R1-4,R104,108,204
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	5	R208,304,308,404,408
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R43
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	1	R16
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	3	R13,14,45
2007-000568	R-CHIP:220Kohm,5%,1/8W,DA	4	R109,209,309,409
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	1	C13
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	2	C14,4
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	2	C407,409
2203-001450	C-CERAMIC,CHIP:100nF,10%	5	C120,121,220,221,320
2203-001450	C-CERAMIC,CHIP:100nF,10%	3	C321,420,421
2203-001450	C-CERAMIC,CHIP:100nF,10%	11	C2,C6-12,16,17,22
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C119,122,319,322
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406

2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000276	R-METAL OXIDE:33ohm,5%,1V	4	R106,206,306,406
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C101,102,201,202
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C301,302,401,402
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000475	C-FILM,MPEF:820nF,10%,250	4	C104,204,304,404
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW,	4	K1-4
3703-000124	CONNECTOR-DIN:20P,2R,MAI	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MAI	1	P1
3704-001001	SOCKET-IC:8P,SIP,SN,2.54m	4	P6,7,8,9
3704-001002	SOCKET-IC:8P,SIP,SN,2.54m	2	HYB3,HYB4
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PUF	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-7-9 KP24D-B4TRKNEW

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA68-10953A	LABEL(P)-4TRK:SKP-24D,AR	2	EJT1,2
GA92-01772A	PBA-4TRK:DCS COMPACT,GU	1	
GA13-10002A	IC-ASIC:DCS/COMPACT EURC	4	P10-13
GA13-10566A	IC-HYB:TARGET,KP0052SA,SI	2	HYB1,2
GA26-50068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
GA94-02024A	PRA-4TRK:DCS COMPACT,GU	1	AUT
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	1	U1
GA41-10009A	PCB:COMPACT EURO 4TRK/E,	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D103,104,203,204,303
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	3	D304,403,404
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD103-104,203-204
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD303-304,403-404
0501-000477	TR-SMALL SIGNAL:MMBT555C	4	Q1-4
0604-000102	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-000102	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR (	1	U3
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,4
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
1205-000394	IC-CODEC/FILTER:TP3057WM	4	U105,205,305,405
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R125,225,325,425
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R110,210,310,410
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R15
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R9-12,R17-37,R42
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	7	R1-4,R104,108,204
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	5	R208,304,308,404,408
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R43
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	1	R16
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	3	R13,14,45
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-000934	R-CHIP:470ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	1	C13
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	2	C14,4
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	2	C407,409
2203-001450	C-CERAMIC,CHIP:100nF,10%	5	C120,121,220,221,320
2203-001450	C-CERAMIC,CHIP:100nF,10%	3	C321,420,421
2203-001450	C-CERAMIC,CHIP:100nF,10%	11	C2,C6-12,16,17,22
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C119,122,319,322
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406

2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000276	R-METAL OXIDE:33ohm,5%,1W	4	R106,206,306,406
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000574	C-FILM,MPEF:2.2uF,10%,250	4	C104,204,304,404
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW,	4	K1-4
3703-000124	CONNECTOR-DIN:20P,2R,MAL	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MAL	1	P1
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PUF	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-7-10 KP24D-B4TRKNOR

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA68-10953A	LABEL(P)-4TRK:SKP-24D,AR	2	EJT1,2
GA92-00034A	PBA:COMPACT_EURO,4TRK,TE	1	
GA13-10567A	IC-HYB:TARGET,KP0053SA,SI	2	HYB1,2
GA26-50068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
GA94-00034A	PRA:COMPACT_E,4TRK,AUT,TI	1	AUT
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	1	U1
GA41-10009A	PCB:COMPACT EURO 4TRK/E,	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D103,104,203,204,303
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	3	D304,403,404
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD103,104,203,204
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD303,304,403,404
0501-000477	TR-SMALL SIGNAL:MMBT555C	4	Q1-4
0604-001002	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-001002	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR (	1	U3
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,4
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
1205-000394	IC-CODEC/FILTER:TP3057WM	4	U105,205,305,405
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R125,225,325,425
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R110,210,310,410
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R15
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R9-12,R17-37,R42
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	7	R1-4,R104,108,204
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	5	R208,304,308,404,408
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R43
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	1	R16
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	3	R13,14,45
2007-000568	R-CHIP:220Kohm,5%,1/8W,DA	4	R109,209,309,409
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	4	R103.203.303,403
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	1	C13
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	2	C14,4
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	2	C407,409
2203-001450	C-CERAMIC,CHIP:100nF,10%	5	C120,121,220,221,320
2203-001450	C-CERAMIC,CHIP:100nF,10%	3	C321,420,421
2203-001450	C-CERAMIC,CHIP:100nF,10%	11	C2,C6-12,16,17,22
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C119,122,319,322
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406

2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000276	R-METAL OXIDE:33ohm,5%,1\	4	R106,206,306,406
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C101,102,201,202
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C301,302,401,402
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000574	C-FILM,MPEF:2.2uF,10%,250	4	C104,204,304,404
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW,:	4	K1-4
3703-000124	CONNECTOR-DIN:20P,2R,MAI	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MAI	1	P1
3704-001001	SOCKET-IC:8P,SIP,SN,2.54m	4	P6,7,8,9
3704-001002	SOCKET-IC:8P,SIP,SN,2.54m	2	HYB3,4
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PUF	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-7-11 KP24D-B4TRKPOL

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA68-10953A	LABEL(P)-4TRK:SKP-24D,AR	2	EJT1,2
GA92-00035A	PBA:COMPACT_EURO,4TRK,M	1	
GA13-10009A	IC-ASIC:DCS/COMPACT EURC	2	HYB1,2
GA26-50068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
GA94-00035A	PRA:COMPACT_E,4TRK,AUT,M	1	AUT
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	1	U1
GA41-10009A	PCB:COMPACT EURO 4TRK/E,	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D103,104,203,204,303
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	3	D304,403,404
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD103,104,203,204
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD303,304,403,404
0501-000477	TR-SMALL SIGNAL:MMBT555C	4	Q1-4
0604-001002	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-001002	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR (	1	U3
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,4
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
1205-000394	IC-CODEC/FILTER:TP3057WM	4	U105,205,305,405
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R125,225,325,425
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R110,210,310,410
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R15
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R9-12,R17-37,R42
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	7	R1-4,R104,108,204
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	5	R208,304,308,404,408
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R43
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	1	R16
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	3	R13,14,45
2007-000568	R-CHIP:220Kohm,5%,1/8W,DA	4	R109,209,309,409
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	1	C13
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	2	C14,4
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	2	C407,409
2203-001450	C-CERAMIC,CHIP:100nF,10%	5	C120,121,220,221,320
2203-001450	C-CERAMIC,CHIP:100nF,10%	3	C321,420,421
2203-001450	C-CERAMIC,CHIP:100nF,10%	11	C2,C6-12,16,17,22
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C119,122,319,322
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406

2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000276	R-METAL OXIDE:33ohm,5%,1W	4	R106,206,306,406
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C101,102,201,202
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C301,302,401,402
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000574	C-FILM,MPEF:2.2uF,10%,250	4	C104,204,304,404
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW,1	4	K1-4
3703-000124	CONNECTOR-DIN:20P,2R,MAL	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MAL	1	P1
3704-001001	SOCKET-IC:8P,SIP,SN,2.54m	4	P6,7,8,9
3704-001001	SOCKET-IC:8P,SIP,SN,2.54m	4	P10,11,12,13
3704-001002	SOCKET-IC:8P,SIP,SN,2.54m	2	HYB3,4
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PUF	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-7-12 KP24D-B4TRKPOR

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA68-10953A	LABEL(P)-4TRK:SKP-24D,AR	2	EJT1,2
GA92-00037A	PBA:COMPACT_EURO,4TRK,N	1	
GA13-10007A	IC-ASIC:DCS/COMPACT EURC	2	HYB1,2
GA26-50068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
GA94-00037A	PRA:COMPACT_E,4TRK,AUT,N	1	AUT
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	1	U1
GA41-10009A	PCB:COMPACT EURO 4TRK/E,	1	PCB,REV.02
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D103,104,203,204,303
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	3	D304,403,404
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD103,104,203,204
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD303,304,403,404
0501-000477	TR-SMALL SIGNAL:MMBT555C	4	Q1-4
0604-001002	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-001002	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR (	1	U3
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,4
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
1205-000394	IC-CODEC/FILTER:TP3057WM	4	U105,205,305,405
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R125,225,325,425
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R110,210,310,410
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R15
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R9-12,R17-37,R42
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	7	R1-4,R104,108,204
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	5	R208,304,308,404,408
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R43
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	1	R16
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	3	R13,14,45
2007-000568	R-CHIP:220Kohm,5%,1/8W,DA	4	R109,209,309,409
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	1	C13
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	2	C14,4
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	2	C407,409
2203-001450	C-CERAMIC,CHIP:100nF,10%	5	C120,121,220,221,320
2203-001450	C-CERAMIC,CHIP:100nF,10%	3	C321,420,421
2203-001450	C-CERAMIC,CHIP:100nF,10%	11	C2,C6-12,16,17,22
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C119,122,319,322
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406

2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000276	R-METAL OXIDE:33ohm,5%,1W	4	R106,206,306,406
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C101,102,201,202
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C301,302,401,402
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000475	C-FILM,MPEF:820nF,10%,250	4	C104,204,304,404
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW,	4	K1-4
3703-000124	CONNECTOR-DIN:20P,2R,MAL	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MAL	1	P1
3704-001001	SOCKET-IC:8P,SIP,SN,2.54m	4	P6,7,8,9
3704-001002	SOCKET-IC:8P,SIP,SN,2.54m	2	HYB3,HYB4
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D;PUF	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-7-13 KP24D-B4TRKSE

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA92-01812A	PBA MAIN CTRL-4TRK:DCS C	1	
GA13-10002A	IC-ASIC:DCS/COMPACT EURC	4	P10-P13
GA13-10567A	IC-HYB:TARGET,KP0053SA,SI	2	HYB1,2
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA68-10953A	LABEL(P)-4TRK:SKP-24D,AR	2	EJT1,2
GA94-01264A	PRA-4TRK AUTO:COMPACT E	1	AUT
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	1	U1
GA41-10009A	PCB:COMPACT EURO 4TRK/E,	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D103,104,203,204,303
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	3	D304,403,404
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD103,104,203,204
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD303,304,403,404
0501-000477	TR-SMALL SIGNAL:MMBT555(	4	Q1-4
0604-001002	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-001002	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR (	1	U3
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,4
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
1205-000394	IC-CODEC/FILTER:TP3057WM	4	U105,205,305,405
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R110,210,310,410
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R125,225,325,425
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R15
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R9-12,R17-37,R42
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	7	R1-4,R104,108,204
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	5	R208,304,308,404,408
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R43
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	1	R16
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	3	R13,14,45
2007-000568	R-CHIP:220Kohm,5%,1/8W,DA	4	R109,209,309,409
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	1	C13
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	2	C14,4
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	2	C407,409
2203-001450	C-CERAMIC,CHIP:100nF,10%	5	C120,121,220,221,320
2203-001450	C-CERAMIC,CHIP:100nF,10%	3	C321,420,421
2203-001450	C-CERAMIC,CHIP:100nF,10%	11	C2,C6-12,16,17,22
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C119,122,319,322
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406

2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000276	R-METAL OXIDE:33ohm,5%,1\	4	R106,206,306,406
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000475	C-FILM,MPEF:820nF,10%,250	4	C104,204,304,404
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW,:	4	K1-4
3703-000124	CONNECTOR-DIN:20P,2R,MAI	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MAI	1	P1
923 003013AA	TRF-AF,600//600OHM:600//6	4	T101,201,301,401
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PUF	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-7-14 KP24D-B4TRKTEC

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA68-10953A	LABEL(P)-4TRK:SKP-24D,ART	2	EJT1,2
GA92-01066A	PBA-4TRK:DCS COMPACT,TEC	1	
GA13-10565A	IC-HYB:TARGET,KP0051SA,SI	2	HYB1,2
GA26-50068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
GA94-00966A	PRA-4TRK:DCS COMPACT,TEC	1	AUT
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	1	U1
GA41-10381A	PCB-4TRK,TARGET II,I:SKP-	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,6C	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D103,104,203,204,303
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	3	D304,403,404
0501-000477	TR-SMALL SIGNAL:MMBT5550	4	Q1-4
0604-001002	PHOTO-COUPLER:TR,100-60C	5	U101,103,201,203,301
0604-001002	PHOTO-COUPLER:TR,100-60C	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR G	1	U3
0801-000702	IC-CMOS LOGIC:74HC125,BUF	2	U2,4
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
1205-000394	IC-CODEC/FILTER:TP3057WM,	4	U105,205,305,405
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R110,210,310,410
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R15
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	26	R9-12,R17-37,R42
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	7	R1-4,R104,108,204
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	5	R208,304,308,404,408
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R43
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	1	R16
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	3	R13,14,45
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-000934	R-CHIP:470ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	1	C13
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	2	C14,4
2203-000478	C-CERAMIC,CHIP:1uF,+80-2C	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-2C	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-2C	2	C407,409
2203-001450	C-CERAMIC,CHIP:100nF,10%,	5	C120,121,220,221,320
2203-001450	C-CERAMIC,CHIP:100nF,10%,	3	C321,420,421
2203-001450	C-CERAMIC,CHIP:100nF,10%,	9	C2,C6-12,C22
2203-001450	C-CERAMIC,CHIP:100nF,10%,	2	C16,17
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	4	C119,122,319,322
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1

4715-000127	SURGE ABSORBER:300V,15%,5	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,5	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,5	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000276	R-METAL OXIDE:33ohm,5%,1W	4	R106,206,306,406
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C101,201,301,401
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C102,202,302,402
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000475	C-FILM,MPEF:820nF,10%,250	4	C104,204,304,404
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW,2	4	K1-4
3703-000124	CONNECTOR-DIN:20P,2R,MAL	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MAL	1	P1
3704-001001	SOCKET-IC:8P,SIP,SN,2.54m	4	P6-9
3704-001002	SOCKET-IC:8P,SIP,SN,2.54m	2	HYB3,4
3710-000107	CONNECTOR-SHUNT:2P,1R,2.	4	SP1-4
3711-001422	CONNECTOR-HEADER:NOWAL	4	SP1-4
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816I	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5,7	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PUR	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200X	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-8 6DLI

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10954A	LABEL(P)-6DLI:SKP-24D,AR	2	EJT1,2
GA92-01060A	PBA-6DLI,EUROPE:DCS COM	1	
GA26-10053A	TRANS-PULSE:DGP 360,144/	6	T1-6
GA94-00960A	PRA-6DLI,AUTO,EURO:DCS (	1	AUT
GA13-10051A	IC-ASIC:DCS,STL7052E,QFP,	1	U7
GA41-10379A	PCB-6DLI,TARGET II,I:SKP-	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	12	SBT1-12
0401-000128	DIODE-SWITCHING:HSK120,(	5	D101,102,201,202,301
0401-000128	DIODE-SWITCHING:HSK120,(	5	D302,401,402,501,502
0401-000128	DIODE-SWITCHING:HSK120,(	2	D601,602
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D103,104,203,204,303
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D304,403,404,503,504
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	2	D603,604
0801-000388	IC-CMOS LOGIC:74HC08,AN[	1	U9
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U8,10
1205-000443	IC-RASL:TP3464N,PLCC,28P,	6	U1-6
1404-000126	THERMISTOR:4.85ohm,-,-,-	6	PS1-6
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TF	1	R60
2007-000285	R-CHIP:100Kohm,5%,1/8W,D	1	R40
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	24	R20-39,R43-45,R50
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	5	R101,201,301,401,501
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	2	R601,51
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,	1	R41
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,D/	3	R42,48,49
2007-000542	R-CHIP:200ohm,5%,1/8W,DA	2	R52,53
2007-000875	R-CHIP:4.7Kohm,5%,1/8W,D/	2	R46,47
2203-000242	C-CERAMIC,CHIP:100pF,5%,	1	C7
2203-000262	C-CERAMIC,CHIP:10nF,10%,	2	C5,8
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C103,104,203,204,303
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C304,403,404,503,504
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	2	C603,604
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C101,105,201,205,301
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C305,401,405,501,505
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C601,605,901
2203-001452	C-CERAMIC,CHIP:100nF,20%	8	C2,4,6,C10-12,14,15
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	1	C3
3301-000345	CORE-FERRITE BEAD:ZZ,3.5	2	BD1,2
2305-000587	C-FILM,MPEF:470nF,10%,63V	5	C102,202,302,402,502
2305-000587	C-FILM,MPEF:470nF,10%,63V	1	C602
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3703-000124	CONNECTOR-DIN:20P,2R,MA	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MA	1	P1
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81(	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5	0.1	

GA69-20590A	CUSHION-PAD:SKP-24D,PU	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-905	PAC-SILICAGEL:SiO2,72x59	1	

6-9 6SLI

6-9-1 KP24D-B2SLIUK

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10955A	LABEL(P)-6SLI:SKP-24D,AR	2	EJT1,2
GA92-01075A	PBA-6SLI:DCS COMPACT,-,	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	6	T1-6
GA13-10086A	IC-HYB:DCS COMPACT,KP-S	6	HYB1-6
GA13-10568A	IC-HYB:TARGET,KP0072SA,S	2	HYB7,8
GA39-50054A	CBF-LINE CORD:SKP-816,-	12	SBT1-12
GA94-00975A	PRA-6SLI:DCS COMPACT,-,	1	AUT
GA13-10066A	IC-ASIC:DCS,SBS-9401,QFP	1	U1
GA41-10383A	PCB-6SLI,TARGET II,I:SKP-	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,	6	D1-6
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D101,102,201,202,301
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D302,401,402,501,502
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	2	D601,602
0501-000477	TR-SMALL SIGNAL:MMBT555	6	Q1-6
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,3
1205-000394	IC-CODEC/FILTER:TP3057WM	5	U102,202,302,402,502
1205-000394	IC-CODEC/FILTER:TP3057WM	1	U602
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	1	R604
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	5	R104,204,304,404,504
2007-000285	R-CHIP:100Kohm,5%,1/8W,D	1	R29
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	21	R12-28,R30,R32-34
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	3	R800,37,38
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	6	R1-6
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R39,101,102,201,202
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R301,302,401,402,501
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	3	R502,601,602
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,	1	R31
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,D	3	R9-11
2203-000262	C-CERAMIC,CHIP:10nF,10%,	2	C8,15
2203-000597	C-CERAMIC,CHIP:220pF,5%,	1	C13
2203-001452	C-CERAMIC,CHIP:100nF,20%	9	C2,4,6,7,C9-12,C103
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C105,108,109,112,205
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C207,208,303,305,308
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C309,312,405,407,408
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C503,505,508,509,512
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C607,608,800
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	5	C107,110,307,310,507
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	1	C510
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C104,204,304,404,504
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C604,113,213,313,413
2401-000029	C-AL:10uF,20%,100V,GP,TP,	2	C513,613
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%	6	DSS1-6

2003-000265	R-METAL OXIDE:300ohm,5%,	5	R515,516,615,616,700
2003-000824	R-METAL OXIDE(S):270ohm,2	4	R103,203,303,403
2003-000824	R-METAL OXIDE(S):270ohm,2	2	R503,603
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB8
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C101,102,201,202,301
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C302,401,402,501,502
2305-000128	C-FILM,MPEF:100nF,10%,250	2	C601,602
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	6	RL1-6
3703-000124	CONNECTOR-DIN:20P,2R,MA	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MA	1	P1
3703-000271	CONNECTOR-DIN:10P,2R,FE	1	P3
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PU	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-9-2 KP24D-B2SLIAUS

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10955A	LABEL(P)-6SLI:SKP-24D,AR	2	EJT1,2
GA92-01073A	PBA-6SLI:DCS COMPACT,SE	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	6	T1-6
GA13-10086A	IC-HYB:DCS COMPACT,KP-S	6	HYB1-6
GA13-10569A	IC-HYB:TARGET,KP0073SA,S	2	HYB7,8
GA39-50054A	CBF-LINE CORD:SKP-816,-	12	SBT1-12
GA94-00973A	PRA-6SLI:DCS COMPACT,SE	1	AUT
GA13-10066A	IC-ASIC:DCS,SBS-9401,QFP	1	U1
GA41-10010A	PCB:COMPACT EURO 6SLI/E,	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,(	6	D1-6
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D101,102,201,202,301
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D302,401,402,501,502
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	2	D601,602
0501-000477	TR-SMALL SIGNAL:MMBT555	6	Q1-6
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,3
1205-000394	IC-CODEC/FILTER:TP3057WN	5	U102,202,302,402,502
1205-000394	IC-CODEC/FILTER:TP3057WN	1	U602
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	5	R104,204,304,404,504
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	1	R604
2007-000285	R-CHIP:100Kohm,5%,1/8W,D	1	R29
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	21	R12-28,R30,R32-34
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	3	R800,37,38
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	6	R1-6
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R39,101,102,201,202
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R301,302,401,402,501
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	3	R502,601,602
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,	1	R31
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,D,	3	R9-11
2203-000262	C-CERAMIC,CHIP:10nF,10%,	2	C8,15
2203-000597	C-CERAMIC,CHIP:220pF,5%,	1	C13
2203-001452	C-CERAMIC,CHIP:100nF,20%	9	C2,4,6,7,C9-12,C103
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C105,108,109,112,205
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C207,208,303,305,308
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C309,312,405,407,408
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C503,505,508,509,512
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C607,608,800
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	5	C107,110,307,310,507
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	1	C510
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C104,204,304,404,504
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C604,113,213,313,413
2401-000029	C-AL:10uF,20%,100V,GP,TP,	2	C513,613
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%	6	DSS1-6
2003-000265	R-METAL OXIDE:300ohm,5%,	5	R515,516,615,616,700

2003-000824	R-METAL OXIDE(S):270ohm,2	4	R103,203,303,403
2003-000824	R-METAL OXIDE(S):270ohm,2	2	R503,603
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB8
2305-000128	C-FILM,MPEF:100nF,10%,25(	5	C101,102,201,202,301
2305-000128	C-FILM,MPEF:100nF,10%,25(	5	C302,401,402,501,502
2305-000128	C-FILM,MPEF:100nF,10%,25(	2	C601,602
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	6	RL1-6
3703-000124	CONNECTOR-DIN:20P,2R,MA	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MA	1	P1
3703-000271	CONNECTOR-DIN:10P,2R,FE	1	P3
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81(	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PU	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,20(	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-9-3 KP24D-B2SLIBEL

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA92-01575A	PBA-6SLI PCB:COMPACT EU	1	
EC26-20501A	TRANS-AF:INFOREX,-,800ml	6	T1-6
GA13-10086A	IC-HYB:DCS COMPACT,KP-S	6	HYB1-6
GA13-10569A	IC-HYB:TARGET,KP0073SA,S	2	HYB7,9
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10955A	LABEL(P)-6SLI:SKP-24D,AR	2	EJT1,2
GA94-01266A	PRA-6SLI AUTO:COMPACT E	1	AUT
GA13-10066A	IC-ASIC:DCS,SBS-9401,QFP	1	U1
GA41-10010A	PCB:COMPACT EURO 6SLI/E,	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	12	SBT1-12
0401-000128	DIODE-SWITCHING:HSK120,(	6	D1-6
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D101,102,201,202,301
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D302,401,402,501,502
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	2	D601,602
0501-000477	TR-SMALL SIGNAL:MMBT555	6	Q1-6
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,3
1205-000394	IC-CODEC/FILTER:TP3057WM	5	U102,202,302,402,502
1205-000394	IC-CODEC/FILTER:TP3057WM	1	U602
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	1	R604
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	5	R104,204,304,404,504
2007-000285	R-CHIP:100Kohm,5%,1/8W,D	1	R29
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	21	R12-28,R30,R32-34
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	3	R800,37,38
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	6	R1-6
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R39,101,102,201,202
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R301,302,401,402,501
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	3	R502,601,602
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,	1	R31
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,D	3	R9-11
2203-000262	C-CERAMIC,CHIP:10nF,10%,	2	C8,15
2203-000597	C-CERAMIC,CHIP:220pF,5%,	1	C13
2203-001452	C-CERAMIC,CHIP:100nF,20%	9	C2,4,6,7,C9-12,C103
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C105,108,109,112,205
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C207,208,303,305,308
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C309,312,405,407,408
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C503,505,508,509,512
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C607,608,800
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	5	C107,110,307,310,507
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	1	C510
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C104,204,304,404,504
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C604,113,213,313,413
2401-000029	C-AL:10uF,20%,100V,GP,TP,	2	C513,613
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%	6	DSS1-6
2003-000265	R-METAL OXIDE:300ohm,5%,	5	R515,516,615,616,700

2003-000824	R-METAL OXIDE(S):270ohm,2	4	R103,203,303,403
2003-000824	R-METAL OXIDE(S):270ohm,2	2	R503,603
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB8
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C101,102,201,202,301
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C302,401,402,501,502
2305-000128	C-FILM,MPEF:100nF,10%,250	2	C601,602
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	6	RL1-6
3703-000124	CONNECTOR-DIN:20P,2R,MA	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MA	1	P1
3703-000271	CONNECTOR-DIN:10P,2R,FE	1	P3
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PU	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-9-4 KP24D-B2SLIESP

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA92-01074A	PBA-6SLI:DCS COMPACT,SO	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	6	T1-6
GA13-10086A	IC-HYB:DCS COMPACT,KP-S	6	HYB1-6
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10955A	LABEL(P)-6SLI:SKP-24D,AR	2	EJT1,2
GA94-00974A	PRA-6SLI:DCS COMPACT,SO	1	AUT
GA13-10066A	IC-ASIC:DCS,SBS-9401,QFP	1	U1
GA41-10383A	PCB-6SLI,TARGET II,I:SKP-	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,(	6	D1-6
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D101,102,201,202,301
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D302,401,402,501,502
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	2	D601,602
0501-000477	TR-SMALL SIGNAL:MMBT555	6	Q1-6
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,3
1205-000394	IC-CODEC/FILTER:TP3057WN	5	U102,202,302,402,502
1205-000394	IC-CODEC/FILTER:TP3057WN	1	U602
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	5	R104,204,304,404,504
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	1	R604
2007-000285	R-CHIP:100Kohm,5%,1/8W,D	1	R29
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	21	R12-28,R30,R32-34
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	3	R800,37,38
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	6	R1-6
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R39,101,102,201,202
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R301,302,401,402,501
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	3	R502,601,602
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,	1	R31
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,D	3	R9-11
2203-000262	C-CERAMIC,CHIP:10nF,10%,	2	C8,15
2203-000597	C-CERAMIC,CHIP:220pF,5%,	1	C13
2203-001452	C-CERAMIC,CHIP:100nF,20%	9	C2,4,6,7,C9-12,C103
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C105,108,109,112,205
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C207,208,303,305,308
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C309,312,405,407,408
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C503,505,508,509,512
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C607,608,800
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	5	C107,110,307,310,507
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	1	C510
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	6	C3,5,104,113,204,213
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	5	C304,313,404,413,504
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	3	C513,604,613
4715-000127	SURGE ABSORBER:300V,15%	6	DSS1-6
2003-000265	R-METAL OXIDE:300ohm,5%,	5	R515,516,615,616,700
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB8
2305-000128	C-FILM,MPEF:100nF,10%,25(	5	C101,102,201,202,301
2305-000128	C-FILM,MPEF:100nF,10%,25(	5	C302,401,402,501,502
2305-000128	C-FILM,MPEF:100nF,10%,25(	2	C601,602

2401-000373	C-AL:100uF,20%,63V,GP,TP,	1	C1
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
3501-000210	RELAY-MINIATURE:5V,98mW	6	RL1-6
3703-000124	CONNECTOR-DIN:20P,2R,MA	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MA	1	P1
3703-000271	CONNECTOR-DIN:10P,2R,FE	1	P3
GA99-00895A	PAA-EXP BASE,EXP STD:DC9	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PU	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-9-5 KP24D-B2SLIFIN

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10955A	LABEL(P)-6SLI:SKP-24D,AR	2	EJT1,2
GA92-00041A	PBA:COMPACT_EURO,6SLI,NI	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	6	T1-6
GA13-10008A	IC-ASIC:DCS/COMPACT EUR	2	HYB7,9
GA13-10086A	IC-HYB:DCS COMPACT,KP-S	6	HYB1-6
GA94-00041A	PRA:COMPACT_E,6SLI,AUT,N	1	AUT
GA13-10066A	IC-ASIC:DCS,SBS-9401,QFP	1	U1
GA41-10010A	PCB:COMPACT EURO 6SLI/E,	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	12	SBT1-12
0401-000128	DIODE-SWITCHING:HSK120,(	6	D1-6
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D101,102,201,202,301
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D302,401,402,501,502
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	2	D601,602
0501-000477	TR-SMALL SIGNAL:MMBT555	6	Q1-6
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,3
1205-000394	IC-CODEC/FILTER:TP3057WN	5	U102,202,302,402,502
1205-000394	IC-CODEC/FILTER:TP3057WN	1	U602
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	1	R604
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	5	R104,204,304,404,504
2007-000285	R-CHIP:100Kohm,5%,1/8W,D	1	R29
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	21	R12-28,R30,R32-34
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	3	R800,37,38
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	6	R1-6
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R39,101,102,201,202
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R301,302,401,402,501
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	3	R502,601,602
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,	1	R31
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,D,	3	R9-11
2203-000262	C-CERAMIC,CHIP:10nF,10%,	2	C8,15
2203-000597	C-CERAMIC,CHIP:220pF,5%,	1	C13
2203-001452	C-CERAMIC,CHIP:100nF,20%	9	C2,4,6,7,C9-12,C103
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C105,108,109,112,205
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C207,208,303,305,308
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C309,312,405,407,408
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C503,505,508,509,512
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C607,608,800
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	5	C107,110,307,310,507
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	1	C510
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C104,204,304,404,504
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C604,113,213,313,413
2401-000029	C-AL:10uF,20%,100V,GP,TP,	2	C513,613
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%	6	DSS1-6
2003-000265	R-METAL OXIDE:300ohm,5%,	5	R515,516,615,616,700

2003-000824	R-METAL OXIDE(S):270ohm,2	4	R103,203,303,403
2003-000824	R-METAL OXIDE(S):270ohm,2	2	R503,603
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB8
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C101,102,201,202,301
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C302,401,402,501,502
2305-000128	C-FILM,MPEF:100nF,10%,250	2	C601,602
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	6	RL1-6
3703-000124	CONNECTOR-DIN:20P,2R,MA	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MA	1	P1
3703-000271	CONNECTOR-DIN:10P,2R,FE	1	P3
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PU	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-9-6 KP24D-B2SLIGE

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10955A	LABEL(P)-6SLI:SKP-24D,AR	2	EJT1,2
GA92-01073A	PBA-6SLI:DCS COMPACT,SE	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	6	T1-6
GA13-10086A	IC-HYB:DCS COMPACT,KP-S	6	HYB1-6
GA13-10569A	IC-HYB:TARGET,KP0073SA,S	2	HYB7,8
GA39-50054A	CBF-LINE CORD:SKP-816,-	12	SBT1-12
GA94-00973A	PRA-6SLI:DCS COMPACT,SE	1	AUT
GA13-10066A	IC-ASIC:DCS,SBS-9401,QFP	1	U1
GA41-10010A	PCB:COMPACT EURO 6SLI/E,	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,(	6	D1-6
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D101,102,201,202,301
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D302,401,402,501,502
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	2	D601,602
0501-000477	TR-SMALL SIGNAL:MMBT555	6	Q1-6
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,3
1205-000394	IC-CODEC/FILTER:TP3057WN	5	U102,202,302,402,502
1205-000394	IC-CODEC/FILTER:TP3057WN	1	U602
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	5	R104,204,304,404,504
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	1	R604
2007-000285	R-CHIP:100Kohm,5%,1/8W,D	1	R29
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	21	R12-28,R30,R32-34
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	3	R800,37,38
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	6	R1-6
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R39,101,102,201,202
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R301,302,401,402,501
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	3	R502,601,602
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,	1	R31
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,D	3	R9-11
2203-000262	C-CERAMIC,CHIP:10nF,10%,	2	C8,15
2203-000597	C-CERAMIC,CHIP:220pF,5%,	1	C13
2203-001452	C-CERAMIC,CHIP:100nF,20%	9	C2,4,6,7,C9-12,C103
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C105,108,109,112,205
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C207,208,303,305,308
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C309,312,405,407,408
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C503,505,508,509,512
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C607,608,800
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	5	C107,110,307,310,507
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	1	C510
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C104,204,304,404,504
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C604,113,213,313,413
2401-000029	C-AL:10uF,20%,100V,GP,TP,	2	C513,613
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%	6	DSS1-6
2003-000265	R-METAL OXIDE:300ohm,5%,	5	R515,516,615,616,700

2003-000824	R-METAL OXIDE(S):270ohm,2	4	R103,203,303,403
2003-000824	R-METAL OXIDE(S):270ohm,2	2	R503,603
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB8
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C101,102,201,202,301
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C302,401,402,501,502
2305-000128	C-FILM,MPEF:100nF,10%,250	2	C601,602
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	6	RL1-6
3703-000124	CONNECTOR-DIN:20P,2R,MA	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MA	1	P1
3703-000271	CONNECTOR-DIN:10P,2R,FE	1	P3
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PU	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-9-7 KP24D-B2SLIHOL

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10955A	LABEL(P)-6SLI:SKP-24D,AR	2	EJT1,2
GA92-00041A	PBA:COMPACT_EURO,6SLI,NI	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	6	T1-6
GA13-10008A	IC-ASIC:DCS/COMPACT EUR	2	HYB7,9
GA13-10086A	IC-HYB:DCS COMPACT,KP-S	6	HYB1-6
GA94-00041A	PRA:COMPACT_E,6SLI,AUT,N	1	AUT
GA13-10066A	IC-ASIC:DCS,SBS-9401,QFP	1	U1
GA41-10010A	PCB:COMPACT EURO 6SLI/E,	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	12	SBT1-12
0401-000128	DIODE-SWITCHING:HSK120,(	6	D1-6
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D101,102,201,202,301
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D302,401,402,501,502
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	2	D601,602
0501-000477	TR-SMALL SIGNAL:MMBT555	6	Q1-6
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,3
1205-000394	IC-CODEC/FILTER:TP3057WN	5	U102,202,302,402,502
1205-000394	IC-CODEC/FILTER:TP3057WN	1	U602
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	1	R604
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	5	R104,204,304,404,504
2007-000285	R-CHIP:100Kohm,5%,1/8W,D	1	R29
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	21	R12-28,R30,R32-34
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	3	R800,37,38
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	6	R1-6
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R39,101,102,201,202
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R301,302,401,402,501
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	3	R502,601,602
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,	1	R31
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,D	3	R9-11
2203-000262	C-CERAMIC,CHIP:10nF,10%,	2	C8,15
2203-000597	C-CERAMIC,CHIP:220pF,5%,	1	C13
2203-001452	C-CERAMIC,CHIP:100nF,20%	9	C2,4,6,7,C9-12,C103
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C105,108,109,112,205
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C207,208,303,305,308
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C309,312,405,407,408
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C503,505,508,509,512
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C607,608,800
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	5	C107,110,307,310,507
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	1	C510
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C104,204,304,404,504
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C604,113,213,313,413
2401-000029	C-AL:10uF,20%,100V,GP,TP,	2	C513,613
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%	6	DSS1-6
2003-000265	R-METAL OXIDE:300ohm,5%,	5	R515,516,615,616,700

2003-000824	R-METAL OXIDE(S):270ohm,2	4	R103,203,303,403
2003-000824	R-METAL OXIDE(S):270ohm,2	2	R503,603
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB8
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C101,102,201,202,301
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C302,401,402,501,502
2305-000128	C-FILM,MPEF:100nF,10%,250	2	C601,602
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3601-000210	RELAY-MINIATURE:5V,98mW	6	RL1-6
3703-000124	CONNECTOR-DIN:20P,2R,MA	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MA	1	P1
3703-000271	CONNECTOR-DIN:10P,2R,FE	1	P3
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PU	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-9-8 KP24D-B2SLINOR

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10955A	LABEL(P)-6SLI:SKP-24D,AR	2	EJT1,2
GA92-00038A	PBA:COMPACT_EURO,6SLI,TE	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	6	T1-6
GA13-10086A	IC-HYB:DCS COMPACT,KP-S	6	HYB1-6
GA13-10569A	IC-HYB:TARGET,KP0073SA,S	2	HYB7,9
GA94-00038A	PRA:COMPACT_E,6SLI,AUT,TE	1	AUT
GA13-10066A	IC-ASIC:DCS,SBS-9401,QFP	1	U1
GA41-10010A	PCB:COMPACT EURO 6SLI/E,	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	12	SBT1-12
0401-000128	DIODE-SWITCHING:HSK120,(	6	D1-6
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D101,102,201,202,301
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D302,401,402,501,502
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	2	D601,602
0501-000477	TR-SMALL SIGNAL:MMBT555	6	Q1-6
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,3
1205-000394	IC-CODEC/FILTER:TP3057WN	5	U102,202,302,402,502
1205-000394	IC-CODEC/FILTER:TP3057WN	1	U602
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	1	R604
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	5	R104,204,304,404,504
2007-000285	R-CHIP:100Kohm,5%,1/8W,D	1	R29
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	21	R12-28,R30,R32-34
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	3	R800,37,38
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	6	R1-6
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R39,101,102,201,202
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R301,302,401,402,501
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	3	R502,601,602
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,	1	R31
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,	6	R305-310
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,D	3	R9-11
2203-000242	C-CERAMIC,CHIP:100pF,5%,	1	C16
2203-000262	C-CERAMIC,CHIP:10nF,10%,	2	C8,15
2203-000597	C-CERAMIC,CHIP:220pF,5%,	1	C13
2203-001452	C-CERAMIC,CHIP:100nF,20%	9	C2,4,6,7,C9-12,C103
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C105,108,109,112,205
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C207,208,303,305,308
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C309,312,405,407,408
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C503,505,508,509,512
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C607,608,800
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	5	C107,110,307,310,507
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	1	C510
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C104,204,304,404,504
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C604,113,213,313,413
2401-000029	C-AL:10uF,20%,100V,GP,TP,	2	C513,613
2801-000195	FILTER-EMI ON BOARD:50V,	1	BD1

4715-000127	SURGE ABSORBER:300V,15%	6	DSS1-6
2003-000265	R-METAL OXIDE:300ohm,5%,	5	R515,516,615,616,700
2003-000824	R-METAL OXIDE(S):270ohm,2	4	R103,203,303,403
2003-000824	R-METAL OXIDE(S):270ohm,2	2	R503,603
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB8
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C101,102,201,202,301
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C302,401,402,501,502
2305-000128	C-FILM,MPEF:100nF,10%,250	2	C601,602
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	6	RL1-6
3703-000124	CONNECTOR-DIN:20P,2R,MA	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MA	1	P1
3703-000271	CONNECTOR-DIN:10P,2R,FE	1	P3
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PU	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-9-9 KP24D-B2SLIPOL

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10955A	LABEL(P)-6SLI:SKP-24D,AR	2	EJT1,2
GA92-00039A	PBA:COMPACT_EURO,6SLI,MI	1	
EC26-20501A	TRANS-AF:INFOREX,-,800mH	6	T1-6
GA13-10010A	IC-ASIC:DCS/COMPACT EUR	2	HYB7,9
GA13-10086A	IC-HYB:DCS COMPACT,KP-S	6	HYB1-6
GA94-00039A	PRA:COMPACT_E,6SLI,AUT,M	1	AUT
GA13-10066A	IC-ASIC:DCS,SBS-9401,QFP	1	U1
GA41-10010A	PCB:COMPACT EURO 6SLI/E,	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	12	SBT1-12
0401-000128	DIODE-SWITCHING:HSK120,6	6	D1-6
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D101,102,201,202,301
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	5	D302,401,402,501,502
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	2	D601,602
0601-000477	TR-SMALL SIGNAL:MMBT555	6	Q1-6
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,3
1205-000394	IC-CODEC/FILTER:TP3057WN	5	U102,202,302,402,502
1205-000394	IC-CODEC/FILTER:TP3057WN	1	U602
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TF	1	R604
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TF	5	R104,204,304,404,504
2007-000285	R-CHIP:100Kohm,5%,1/8W,D	1	R29
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	21	R12-28,R30,R32-34
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	3	R800,37,38
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	6	R1-6
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R39,101,102,201,202
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R301,302,401,402,501
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	3	R502,601,602
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,	1	R31
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	3	R9-11
2203-000242	C-CERAMIC,CHIP:100pF,5%,	1	C16
2203-000262	C-CERAMIC,CHIP:10nF,10%,	2	C8,15
2203-000597	C-CERAMIC,CHIP:220pF,5%,	1	C13
2203-001452	C-CERAMIC,CHIP:100nF,20%	9	C2,4,6,7,C9-12,C103
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C105,108,109,112,205
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C207,208,303,305,308
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C309,312,405,407,408
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C503,505,508,509,512
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C607,608,800
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	5	C107,110,307,310,507
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	1	C510
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C104,204,304,404,504
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C604,113,213,313,413
2401-000029	C-AL:10uF,20%,100V,GP,TP,	2	C513,613
2801-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%	6	DSS1-6

2003-000265	R-METAL OXIDE:300ohm,5%,	5	R515,516,615,616,700
2003-000824	R-METAL OXIDE(S):270ohm,2	4	R103,203,303,403
2003-000824	R-METAL OXIDE(S):270ohm,2	2	R503,603
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB8
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C101,102,201,202,301
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C302,401,402,501,502
2305-000128	C-FILM,MPEF:100nF,10%,250	2	C601,602
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW,	6	RL1-6
3703-000124	CONNECTOR-DIN:20P,2R,MA	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MA	1	P1
3703-000271	CONNECTOR-DIN:10P,2R,FE	1	P3
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PU	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-9-10 KP24D-B2SLIPOR

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10955A	LABEL(P)-6SLI:SKP-24D,AR	2	EJT1,2
GA92-00041A	PBA:COMPACT_EURO,6SLI,NI	1	
EC26-20501A	TRANS-AF:INFOREX,-,800mI	6	T1-6
GA13-10008A	IC-ASIC:DCS/COMPACT EUR	2	HYB7,9
GA13-10086A	IC-HYB:DCS COMPACT,KP-S	6	HYB1-6
GA94-00041A	PRA:COMPACT_E,6SLI,AUT,N	1	AUT
GA13-10066A	IC-ASIC:DCS,SBS-9401,QFP	1	U1
GA41-10010A	PCB:COMPACT EURO 6SLI/E,	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	12	SBT1-12
0401-000128	DIODE-SWITCHING:HSK120,(	6	D1-6
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D101,102,201,202,301
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D302,401,402,501,502
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	2	D601,602
0501-000477	TR-SMALL SIGNAL:MMBT555	6	Q1-6
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,3
1205-000394	IC-CODEC/FILTER:TP3057WN	5	U102,202,302,402,502
1205-000394	IC-CODEC/FILTER:TP3057WN	1	U602
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	1	R604
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	5	R104,204,304,404,504
2007-000285	R-CHIP:100Kohm,5%,1/8W,D	1	R29
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	21	R12-28,R30,R32-34
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	3	R800,37,38
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	6	R1-6
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R39,101,102,201,202
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R301,302,401,402,501
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	3	R502,601,602
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,	1	R31
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,D/	3	R9-11
2203-000262	C-CERAMIC,CHIP:10nF,10%,	2	C8,15
2203-000597	C-CERAMIC,CHIP:220pF,5%,	1	C13
2203-001452	C-CERAMIC,CHIP:100nF,20%	9	C2,4,6,7,C9-12,C103
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C105,108,109,112,205
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C207,208,303,305,308
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C309,312,405,407,408
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C503,505,508,509,512
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C607,608,800
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	5	C107,110,307,310,507
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	1	C510
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C104,204,304,404,504
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C604,113,213,313,413
2401-000029	C-AL:10uF,20%,100V,GP,TP,	2	C513,613
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%	6	DSS1-6
2003-000265	R-METAL OXIDE:300ohm,5%,	5	R515,516,615,616,700

2003-000824	R-METAL OXIDE(S):270ohm,2	4	R103,203,303,403
2003-000824	R-METAL OXIDE(S):270ohm,2	2	R503,603
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB8
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C101,102,201,202,301
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C302,401,402,501,502
2305-000128	C-FILM,MPEF:100nF,10%,250	2	C601,602
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	6	RL1-6
3703-000124	CONNECTOR-DIN:20P,2R,MA	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MA	1	P1
3703-000271	CONNECTOR-DIN:10P,2R,FE	1	P3
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PU	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-9-11 KP24D-B2SLISE

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA92-01575A	PBA-6SLI PCB:COMPACT EU	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	6	T1-6
GA13-10086A	IC-HYB:DCS COMPACT,KP-S	6	HYB1-6
GA13-10569A	IC-HYB:TARGET,KP0073SA,S	2	HYB7,9
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10955A	LABEL(P)-6SLI:SKP-24D,AR	2	EJT1,2
GA94-01266A	PRA-6SLI AUTO:COMPACT E	1	AUT
GA13-10066A	IC-ASIC:DCS,SBS-9401,QFP	1	U1
GA41-10010A	PCB:COMPACT EURO 6SLI/E,	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	12	SBT1-12
0401-000128	DIODE-SWITCHING:HSK120,(	6	D1-6
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D101,102,201,202,301
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D302,401,402,501,502
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	2	D601,602
0601-000477	TR-SMALL SIGNAL:MMBT555	6	Q1-6
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,3
1205-000394	IC-CODEC/FILTER:TP3057WN	5	U102,202,302,402,502
1205-000394	IC-CODEC/FILTER:TP3057WN	1	U602
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	1	R604
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	5	R104,204,304,404,504
2007-000285	R-CHIP:100Kohm,5%,1/8W,D	1	R29
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	21	R12-28,R30,R32-34
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	3	R800,37,38
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	6	R1-6
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R39,101,102,201,202
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R301,302,401,402,501
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	3	R502,601,602
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,	1	R31
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,D	3	R9-11
2203-000262	C-CERAMIC,CHIP:10nF,10%,	2	C8,15
2203-000597	C-CERAMIC,CHIP:220pF,5%,	1	C13
2203-001452	C-CERAMIC,CHIP:100nF,20%	9	C2,4,6,7,C9-12,C103
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C105,108,109,112,205
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C207,208,303,305,308
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C309,312,405,407,408
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C503,505,508,509,512
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C607,608,800
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	5	C107,110,307,310,507
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	1	C510
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C104,204,304,404,504
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C604,113,213,313,413
2401-000029	C-AL:10uF,20%,100V,GP,TP,	2	C513,613
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%	6	DSS1-6
2003-000265	R-METAL OXIDE:300ohm,5%,	5	R515,516,615,616,700

2003-000824	R-METAL OXIDE(S):270ohm,2	4	R103,203,303,403
2003-000824	R-METAL OXIDE(S):270ohm,2	2	R503,603
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB8
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C101,102,201,202,301
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C302,401,402,501,502
2305-000128	C-FILM,MPEF:100nF,10%,250	2	C601,602
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	6	RL1-6
3703-000124	CONNECTOR-DIN:20P,2R,MA	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MA	1	P1
3703-000271	CONNECTOR-DIN:10P,2R,FE	1	P3
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PU	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-9-12 KP24D-B2SLITEC

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NY	2	EJT1,2
GA68-10955A	LABEL(P)-6SLI:SKP-24D,AR	2	EJT1,2
GA92-01072A	PBA-6SLI:DCS COMPACT,TE	1	
EC26-20501A	TRANS-AF:INFOREX,-,800m	6	T1-6
GA13-10086A	IC-HYB:DCS COMPACT,KP-S	6	HYB1-6
GA13-10563A	IC-HYB:TARGET,KP0071SA,S	2	HYB7,8
GA39-50054A	CBF-LINE CORD:SKP-816,-	12	SBT1-12
GA94-00972A	PRA-6SLI:DCS COMPACT,TE	1	AUT
GA13-10066A	IC-ASIC:DCS,SBS-9401,QFP	1	U1
GA41-10383A	PCB-6SLI,TARGET II,I:SKP-	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,	6	D1-6
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D101,102,201,202,301
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	5	D302,401,402,501,502
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V	2	D601,602
0501-000477	TR-SMALL SIGNAL:MMBT555	6	Q1-6
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U2,U3
1205-000394	IC-CODEC/FILTER:TP3057WN	5	U102,202,302,402,502
1205-000394	IC-CODEC/FILTER:TP3057WN	1	U602
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	5	R104,204,304,404,504
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TI	1	R604
2007-000285	R-CHIP:100Kohm,5%,1/8W,D	1	R29
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	21	R12-28,R30,R32-34
2007-000293	R-CHIP:100ohm,5%,1/8W,DA	3	R800,37,38
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	6	R1-6
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R39,101,102,201,202
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	5	R301,302,401,402,501
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,	3	R502,601,602
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,	1	R31
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,D	3	R9-11
2203-000262	C-CERAMIC,CHIP:10nF,10%,	2	C8,15
2203-000597	C-CERAMIC,CHIP:220pF,5%,	1	C13
2203-001452	C-CERAMIC,CHIP:100nF,20%	9	C2,4,6,7,C9-12,C103
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C105,108,109,112,205
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C207,208,303,305,308
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C309,312,405,407,408
2203-001452	C-CERAMIC,CHIP:100nF,20%	5	C503,505,508,509,512
2203-001452	C-CERAMIC,CHIP:100nF,20%	3	C607,608,800
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	5	C107,110,307,310,507
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	1	C510
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C3,5
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C104,204,304,404,504
2401-000029	C-AL:10uF,20%,100V,GP,TP,	5	C604,113,213,313,413
2401-000029	C-AL:10uF,20%,100V,GP,TP,	2	C513,613
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD1
4715-000127	SURGE ABSORBER:300V,15%	6	DSS1-6
2003-000265	R-METAL OXIDE:300ohm,5%,	4	R515,516,615,616

2003-000265	R-METAL OXIDE:300ohm,5%,	1	R700
2003-000824	R-METAL OXIDE(S):270ohm,2	4	R103,203,303,403
2003-000824	R-METAL OXIDE(S):270ohm,2	2	R503,603
2011-001099	R-NETWORK:300ohm,5%,2W	1	HYB8
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C101,102,201,202,301
2305-000128	C-FILM,MPEF:100nF,10%,250	5	C302,401,402,501,502
2305-000128	C-FILM,MPEF:100nF,10%,250	2	C601,602
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C1
3501-000210	RELAY-MINIATURE:5V,98mW	6	RL1-6
3703-000124	CONNECTOR-DIN:20P,2R,MA	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MA	1	P1
3703-000271	CONNECTOR-DIN:10P,2R,FE	1	P3
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-81(	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PU	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-10 MISC

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA68-11530A	LABEL(P)-GUIDE MISC:SKP-2	1	LAB
GA92-01035A	PBA-MISC A EURO:SKP-50D,	1	
EC26-20501A	TRANS-AF:INFOREX,-,800mH	1	T1
GA94-00939A	PRA-MISC-A EURO:SKP-50D	1	AUT
GA13-10064A	IC-ASIC:DCS,STL7065C,QFP,	1	U7
GA41-10368A	PCB-MISC1:DCS COMPACT,F	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	1	SBT1
0401-000128	DIODE-SWITCHING:HSK120,6	6	D1-6
0501-000477	TR-SMALL SIGNAL:MMBT5550	5	Q1-5
0801-000388	IC-CMOS LOGIC:74HC08,AND	1	U8
0801-000702	IC-CMOS LOGIC:74HC125,BU	1	U6
0901-000177	IC-DUART:68681,8BIT,PLCC,	1	U1
1006-000121	IC-DRIVER/RECEIVER:145406	2	U2,3
1201-000197	IC-OP AMP:34072,SOP,8P,15	1	U4
1205-000394	IC-CODEC/FILTER:TP3057WM	1	U5
1405-000130	VARISTOR:270V,1200A,9x4.6	4	TNR1-4
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	2	R21,25
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	5	R15,17,18,19,20
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	3	R22-24
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	6	R1-5,10
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	2	R14,27
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	1	R26
2007-000534	R-CHIP:200Kohm,5%,1/8W,DA	1	R8
2007-000542	R-CHIP:200ohm,5%,1/8W,DA,	1	BD1
2007-000580	R-CHIP:226Kohm,1%,1/8W,DA	1	R7
2007-000617	R-CHIP:24Kohm,5%,1/8W,DA,	1	R12
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	1	R16
2007-000834	R-CHIP:39Kohm,5%,1/8W,DA,	1	R11
2007-001011	R-CHIP:51Kohm,5%,1/8W,DA,	1	R6
2007-001099	R-CHIP:62Kohm,5%,1/8W,DA,	1	R9
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	3	C21,38,40
2203-000296	C-CERAMIC,CHIP:10pF,5%,50	1	C20
2203-000390	C-CERAMIC,CHIP:15pF,5%,50	1	C19
2203-001452	C-CERAMIC,CHIP:100nF,20%,	10	C1-4,C6-8,11,16,18
2203-001452	C-CERAMIC,CHIP:100nF,20%,	11	C22-29,41,42,43
2203-001501	C-CERAMIC,CHIP:820pF,5%,5	1	C13
2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	2	C10,12
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C15,17
2401-000649	C-AL:2.2uF,20%,50V,BP,6*1	1	C14
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	1	BD2
2801-001516	CRYSTAL-UNIT:3.6864MHz,50	1	Y1
2804-000361	OSCILLATOR-CLOCK:16MHz,5	1	Y2
3501-000210	RELAY-MINIATURE:5V,98mW,2	4	RLY1-4
3701-000297	CONNECTOR-DSUB:9P,1R,FE	2	P1,2
3703-000192	CONNECTOR-DIN:64P,2R,MAL	1	P7

GA99-00892A	PAA-2SLI,MISC,EXP ST:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11096A	BOX(P)-UNIT:-,STD,SW5,565	1	
GA69-11104A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20659A	CUSHION-PAD PBA:SKP-36H	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-11 VOICE DIAL

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NYI	2	EJT1,2
GA68-10951A	LABEL(P)-VDIAL:SKP-24D,AF	2	EJT1,2
GA92-01078A	PBA-VD EURO:DCS COMPAC	1	
GA94-00978A	PRA-VD,AUTO,EURO:DCS CO	1	AUT
GA13-10052A	IC-ASIC:DCS,STL7053A,QFP,	1	U5
GA41-10384A	PCB-VDAIL:DCS COMPACT,FI	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	1	SBT1
0801-000397	IC-CMOS LOGIC:74HC04,INVE	2	U4,15
0801-000642	IC-CMOS LOGIC:74HC138,3-	2	U2,U3
0801-000690	IC-CMOS LOGIC:74HC373,D L	2	U16,U17
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U1,U19
0904-000163	IC-DSP:320C31,32BIT,QFP,1	1	U6
1106-000131	IC-SRAM:681000,128KX8BIT,	4	U11-14
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	2	R26,28
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	34	R4-23,27,R30-42
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA	4	R1,24,25,29
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	2	R2,55
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	5	C32,33,38,40,41
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	7	C29-31,C35-37,39
2203-001452	C-CERAMIC,CHIP:100nF,20%	26	C1-24,26,55
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	1	C28
2401-000031	C-AL:47uF,20%,16V,GP,TP,5	1	C25
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD3
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	6	BD1,2,BD4-7
0402-000165	DIODE-RECTIFIER:1N5819,40	3	D1-3
2409-000103	C-EDL:1F,5.5V,-,-,BK,28.5	1	C27
2804-000207	OSCILLATOR-CLOCK:27MHz,1	1	Y1
3408-000230	SWITCH-SLIDE:30V,300mA,DF	1	SW1
3703-000124	CONNECTOR-DIN:20P,2R,MA	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MA	1	P1
3704-000189	SOCKET-IC:20P,DIP,SN,2.54	1	U18
3704-000235	SOCKET-IC:28P,DIP,SN,2.54	4	U7-U10
GA99-01051A	PAA-PACKING ASS'Y:SKP24D	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PUF	2	
GA69-30578A	BAG-SHIELDING:SHIELDING I	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	
1102-000155	IC-EPROM:27HC256,32KX8BI	4	U7-U10
1301-000362	IC-PAL:16L8A,DIP,20P,300M	1	U18

6-12 AUTO ATTENDANT

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA68-10952A	LABEL(P)-AA:SKP-24D,ART,1	2	EJT1,2
GA92-01084A	PBA-AA A LAW,UK:DCS COMF	1	
GA94-00984A	PRA-AA AUTO,UK:DCS COMP/	1	AUT
GA13-10064A	IC-ASIC:DCS,STL7065C,QFP,	2	U1,2
GA13-10066A	IC-ASIC:DCS,SBS-9401,QFP,	1	U12
GA41-10385A	PCB-AA:DCS COMPACT,FR-4	1	PCB
0801-000388	IC-CMOS LOGIC:74HC08,AND	1	U29
0801-000397	IC-CMOS LOGIC:74HC04,INVE	5	U26,27,40,41,47
0801-000411	IC-CMOS LOGIC:74HC32,OR (	2	U24,25
0801-000455	IC-CMOS LOGIC:74HC74,D FL	2	U22,48
0801-000637	IC-CMOS LOGIC:74HC139,2-1	2	U19,42
0801-000642	IC-CMOS LOGIC:74HC138,3-1	5	U13,15,16,20,21
0801-000678	IC-CMOS LOGIC:74HC165,SHI	8	U30-37
0801-000679	IC-CMOS LOGIC:74HC595,SHI	1	U23
0801-000690	IC-CMOS LOGIC:74HC373,D L	2	U17,18
0801-000702	IC-CMOS LOGIC:74HC125,BUI	4	U28,38,39,49
0801-000716	IC-CMOS LOGIC:74HC541,BUI	1	U14
0902-000314	IC-MICROPROCESSOR:68EC0	1	U11
1106-000141	IC-SRAM:681000,128KX8BIT,	8	U3-6,U43-46
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	53	R1-14,R17-24,R26-56
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	8	R75-80,C73,74
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	6	R64-69
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	2	R58-59
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R15,16,60,63
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R61
2007-000496	R-CHIP:2.2Kohm,5%,1/8W,DA	1	R57
2007-000688	R-CHIP:3.3Kohm,5%,1/8W,DA	8	R81-88
2007-001203	R-CHIP:820ohm,5%,1/8W,DA,	1	R25
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	2	C75,76
2203-001452	C-CERAMIC,CHIP:100nF,20%,	68	C4-69,C77,78
2203-001466	C-CERAMIC,CHIP:180pF,5%,5	3	C70-72
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	1	C3
2901-000195	FILTER-EMI ON BOARD:50V,1	1	BD4
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	7	BD1-3,BD5-8
0402-000165	DIODE-RECTIFIER:1N5819,40	3	D1-3
2804-000361	OSCILLATOR-CLOCK:16MHz,5	1	Y1
3408-000230	SWITCH-SLIDE:30V,300mA,DF	1	SW1
3703-000124	CONNECTOR-DIN:20P,2R,MAL	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MAL	1	P1
3704-000235	SOCKET-IC:28P,DIP,SN,2.54	1	U7
3704-000255	SOCKET-IC:32P,DIP,SN,2.54	1	U8
4302-000126	BATTERY-NICD(2ND):3.6V;1.	1	BAT
GA99-01051A	PAA-PACKING ASS'Y:SKP24D	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	

GA69-11107A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PUR	2	
GA69-30578A	BAG-SHIELDING:SHIELDING F	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	
1102-000163	IC-EPROM:27C4001,512KX8BI	1	U8
1102-000174	IC-EPROM:27C512,64KX8BIT,	1	U7

6-13 4COP

6-13-1 KP24D-B4COPBEL

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	
GA68-10943A	LABEL(P)-4COP:SKP-24D,AR	1	
GA92-00033A	PBA:COMPACT_EURO,4COP,N	1	4COP
GA26-50068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
GA94-00033A	PRA:COMPACT_E,4COP,AUT,N	1	AUT
GA41-10008A	PCB:COMPACT EURO 4COP/E	1	PCB,REV.01
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD103,104,203,204
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD303,304,403,404
0501-000477	TR-SMALL SIGNAL:MMBT5550	4	Q1-4
0604-001002	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-001002	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR (	1	U1
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R10-13
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R304,308,404,408
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R104,108,204,208
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R1-4
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000568	R-CHIP:220Kohm,5%,1/8W,DA	4	R109,209,309,409
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	2	C407,409
2203-001452	C-CERAMIC,CHIP:100nF,20%	2	C2,7
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	1	C1
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000276	R-METAL OXIDE:33ohm,5%,1W	4	R106,206,306,406
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C101,102,201,202
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C301,302,401,402
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000475	C-FILM,MPEF:820nF,10%,250	4	C104,204,304,404
3501-000210	RELAY-MINIATURE:5V,98mW,1	4	K1-4
3703-000118	CONNECTOR-DIN:16P,2R,MAL	1	P1
3703-000149	CONNECTOR-DIN:32P,2R,MAL	1	P2
3704-001001	SOCKET-IC:8P,SIP,SN,2.54m	4	P6,7,8,9

GA99-00892A	PAA-2SLI,MISC,EXP ST:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11096A	BOX(P)-UNIT:-,STD,SW5,565	1	
GA69-11104A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20659A	CUSHION-PAD PBA:SKP-36H	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-13-2 KP24D-B4COPGE

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
3A82-01021A	PBA-4COP:DCS COMPACT,SE	1	
3A26-50068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
3A94-00925A	PRA-4COP:DCS COMPACT,SE	1	AUT
3A41-10364A	PCB-4COP,TARGET II,I:SKP-	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0501-000477	TR-SMALL SIGNAL:MMBT555C	4	Q1-4
0604-001002	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-001002	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR (	1	U1
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R304,308,404,408
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R104,108,204,208
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R1-4
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000725	R-CHIP:300Kohm,5%,1/8W,DA	4	R109,209,309,409
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,109,205,209,305
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	3	C309,405,409
2203-000927	C-CERAMIC,CHIP:470nF,10%	4	C107,207,307,407
2203-001452	C-CERAMIC,CHIP:100nF,20%	2	C2,7
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	1	C1
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
JF27-30053A	COIL-RF:SF2600,4MH,7.5OHM	4	L101,201,301,401
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000358	R-METAL OXIDE:68ohm,5%,1\	4	R106,206,306,406
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000297	C-FILM,MPEF:22nF,10%,250V	4	C110,210,310,410
2305-000475	C-FILM,MPEF:820nF,10%,250	4	C104,204,304,404
3501-000210	RELAY-MINIATURE:5V,98mW,:	4	K1-4
3703-000118	CONNECTOR-DIN:16P,2R,MAI	1	P1
3703-000149	CONNECTOR-DIN:32P,2R,MAI	1	P2

6-13-3 KP24D-B4COPHOL

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
KP24D-B4COPHC	NL036:BKB	1	
GA61-10503A	EJECTOR-PCB MISC:DCS,NYI	2	
GA68-10943A	LABEL(P)-4COP:SKP-24D,AR	1	
GA92-00033A	PBA:COMPACT_EURO,4COP,N	1	4COP
GA26-50068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
GA94-00033A	PRA:COMPACT_E,4COP,AUT,N	1	AUT
GA41-10008A	PCB:COMPACT EURO 4COP/E	1	PCB,REV.01
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD103,104,203,204
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD303,304,403,404
0501-000477	TR-SMALL SIGNAL:MMBT555C	4	Q1-4
0604-001002	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-001002	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR (	1	U1
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R10-13
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R304,308,404,408
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R104,108,204,208
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R1-4
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000568	R-CHIP:220Kohm,5%,1/8W,DA	4	R109,209,309,409
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	2	C407,409
2203-001452	C-CERAMIC,CHIP:100nF,20%	2	C2,7
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	1	C1
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000276	R-METAL OXIDE:33ohm,5%,1W	4	R106,206,306,406
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C101,102,201,202
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C301,302,401,402
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000475	C-FILM,MPEF:820nF,10%,250	4	C104,204,304,404
3501-000210	RELAY-MINIATURE:5V,98mW,	4	K1-4
3703-000118	CONNECTOR-DIN:16P,2R,MAI	1	P1
3703-000149	CONNECTOR-DIN:32P,2R,MAI	1	P2
3704-001001	SOCKET-IC:8P,SIP,SN,2.54m	4	P6,7,8,9

GA99-00892A	PAA-2SLI,MISC,EXP ST:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11096A	BOX(P)-UNIT:-,STD,SW5,565	1	
GA69-11104A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20659A	CUSHION-PAD PBA:SKP-36H	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-13-4 KP24D-B4COPNOR

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
KP24D-B4COPNO	NO021:BKB	1	
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	
GA68-10943A	LABEL(P)-4COP:SKP-24D,AR	1	
GA92-00030A	PBA:COMPACT_EURO,4COP,T	1	4COP
GA26-50068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
GA94-00030A	PRA:COMPACT_E,4COP,AUT,T	1	AUT
GA41-10008A	PCB:COMPACT EURO 4COP/E	1	PCB
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD103,104,203,204
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD303,304,403,404
0501-000477	TR-SMALL SIGNAL:MMBT555C	4	Q1-4
0604-001002	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-001002	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR (	1	U1
1206-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R10-13
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R304,308,404,408
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R104,108,204,208
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R1-4
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000568	R-CHIP:220Kohm,5%,1/8W,DA	4	R109,209,309,409
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	2	C407,409
2203-001452	C-CERAMIC,CHIP:100nF,20%	2	C2,7
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	1	C1
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000276	R-METAL OXIDE:33ohm,5%,1W	4	R106,206,306,406
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C101,102,201,202
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C301,302,401,402
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000574	C-FILM,MPEF:2.2uF,10%,250	4	C104,204,304,404
3501-000210	RELAY-MINIATURE:5V,98mW,:	4	K1-4
3703-000118	CONNECTOR-DIN:16P,2R,MAL	1	P1
3703-000149	CONNECTOR-DIN:32P,2R,MAL	1	P2
3704-001001	SOCKET-IC:8P,SIP,SN,2.54m	4	P6,7,8,9

GA99-00892A	PAA-2SLI,MISC,EXP ST:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11096A	BOX(P)-UNIT:-,STD,SW5,565	1	
GA69-11104A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20659A	CUSHION-PAD PBA:SKP-36H	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-13-5 KP24D-B4COPPOR

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NYI	2	
GA68-10943A	LABEL(P)-4COP:SKP-24D,AR	1	
GA92-00033A	PBA:COMPACT_EURO,4COP,N	1	4COP
GA26-00068A	TRANS-MATCHING,DCS:MATC	4	T101,201,301,401
GA94-00033A	PRA:COMPACT_E,4COP,AUT,N	1	AUT
GA41-10008A	PCB:COMPACT EURO 4COP/E	1	PCB,REV.01
0401-000128	DIODE-SWITCHING:HSK120,6	4	D1-4
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D101,201,301,401
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD103,104,203,204
0403-000525	DIODE-ZENER:1N4733A,5.1V,	4	ZD303,304,403,404
0501-000477	TR-SMALL SIGNAL:MMBT555C	4	Q1-4
0604-001002	PHOTO-COUPLER:TR,100-60	5	U101,103,201,203,301
0604-001002	PHOTO-COUPLER:TR,100-60	3	U303,401,403
0801-000411	IC-CMOS LOGIC:74HC32,OR (	1	U1
1205-000224	IC-LINE INTERFACE:3845,SO	4	U102,202,302,402
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	4	R10-13
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R304,308,404,408
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R104,108,204,208
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R1-4
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	5	R105,107,205,207,305
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	3	R307,405,407
2007-000568	R-CHIP:220Kohm,5%,1/8W,DA	4	R109,209,309,409
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	4	R103,203,303,403
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R101,201,301,401
2007-001180	R-CHIP:8.2Kohm,5%,1/8W,DA	4	R102,202,302,402
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C105,107,109,205,207
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	5	C209,305,307,309,405
2203-000478	C-CERAMIC,CHIP:1uF,+80-2	2	C407,409
2203-001452	C-CERAMIC,CHIP:100nF,20%	2	C2,7
2401-000026	C-AL:3.3uF,20%,50V,GP,TP,	4	C106,206,306,406
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	1	C1
2401-001594	C-AL:47uF,20%,63V,GP,TP,1	4	C108,208,308,408
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS101-103,ARS401
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS201-203,ARS402
4715-000127	SURGE ABSORBER:300V,15%,	4	ARS301-303,ARS403
0406-000102	DIODE-TVS:1.5KE15CA,9.5/1	4	D102,202,302,402
2003-000276	R-METAL OXIDE:33ohm,5%,1\	4	R106,206,306,406
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C101,102,201,202
2201-000545	C-CERAMIC,DISC:4.7nF,20%,	4	C301,302,401,402
2305-000128	C-FILM,MPEF:100nF,10%,250	4	C103,203,303,403
2305-000475	C-FILM,MPEF:820nF,10%,250	4	C104,204,304,404
3501-000210	RELAY-MINIATURE:5V,98mW,1	4	K1-4
3703-000118	CONNECTOR-DIN:16P,2R,MAI	1	P1
3703-000149	CONNECTOR-DIN:32P,2R,MAI	1	P2
3701-001001	SOCKET-IC:8P,SIP,SN,2.54m	4	P6,7,8,9
GA99-00892A	PAA-2SLI,MISC,EXP ST:DCS	1	

GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11096A	BOX(P)-UNIT:-,STD,SW5,565	1	
GA69-11104A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20659A	CUSHION-PAD PBA:SKP-36H	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	

6-14 2BRI

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA92-00070A	PBA:COMPACT EURO,2BRI,SE	1	PBA
GA94-00072A	PRA:COMPACT EU,2BRI,AUTO	1	AUT1
GA13-10065A	IC-ASIC:DCS,STL7066,QFP,1	1	U1
GA41-10389A	PCB-BRI,TARGET II,II:SKP-	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	2	SBT1,2
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	4	ZD101,102,201,202
0407-000112	DIODE-ARRAY:BAV70LT1,70V,	4	D101,102,201,202
0407-000113	DIODE-ARRAY:BAW56LT1,70V	4	D104,105,204,205
0801-000378	IC-CMOS LOGIC:74HC00,NAN	1	U100
0801-000388	IC-CMOS LOGIC:74HC08,AND	1	U20
0801-000393	IC-CMOS LOGIC:74HC86,OR (	1	U39
0801-000397	IC-CMOS LOGIC:74HC04,INVE	2	U4,28
0801-000411	IC-CMOS LOGIC:74HC32,OR (	3	U14,15,27
0801-000455	IC-CMOS LOGIC:74HC74,D FL	5	U3,24,25,31,32
0801-000646	IC-CMOS LOGIC:74HC163,BIN	5	U26,29,33,34,35
0801-000649	IC-CMOS LOGIC:74HC174,D F	1	U5
0801-000690	IC-CMOS LOGIC:74HC373,D L	1	U13
0801-000696	IC-CMOS LOGIC:74HC245,TRA	1	U12
0801-000702	IC-CMOS LOGIC:74HC125,BUI	2	U21,101
0801-000702	IC-CMOS LOGIC:74HC125,BUI	1	U102
0801-000716	IC-CMOS LOGIC:74HC541,BUI	1	U11
0801-000945	IC-CMOS LOGIC:74HC244,BUI	2	U10,30
0803-000842	IC-TTL:74LS09,AND GATE,SO	1	U18
0902-000314	IC-MICROPROCESSOR:68EC0	1	U2
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U8,9
1201-000309	IC-OP AMP:3140,SOP,8P,150	2	U16,40
1202-000137	IC-VOLTAGE COMP.:1232,SOF	1	U17
1205-000157	IC-HDLC CONTRO:PEB2075-I	1	U23
1205-000383	IC-EPIC-S:PEB2054-N,PLCC	1	U19
1205-000590	IC-TRANSCEIVER:PEB2084H,F	1	U22
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	1	R200
2007-000223	R-CHIP:1.2Kohm,5%,1/8W,DA	1	R46
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R56
2007-000288	R-CHIP:100ohm,1%,1/8W,DA,	4	R52-R55
2007-000288	R-CHIP:100ohm,1%,1/8W,DA,	4	R601-R604
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	18	R4-21
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	13	R58-60,R62-R70,R605
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	4	R101-102,R201-202
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	6	R1-3,R22,23,29
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	2	R205,206
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	1	R500
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	7	R30-33,35,38,39
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	3	R24,R36,R37
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	3	R105,R106,R610
2007-000341	R-CHIP:120Kohm,5%,1/8W,DA	1	R49

2007-000421	R-CHIP:160Kohm,1%,1/8W,DA	1	R44
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	7	R25-28,R34,45,R222
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	3	R41-43
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	1	R57
2007-000537	R-CHIP:200ohm,1%,1/8W,DA,	2	R50,R501
2007-000660	R-CHIP:27ohm,5%,1/8W,DA,T	4	R103,104,203,204
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA,	3	R40,47,48
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	4	C47-C50
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	3	C36,C61,63
2203-000478	C-CERAMIC,CHIP:1uF,+80-2(	1	C53
2203-000597	C-CERAMIC,CHIP:220pF,5%,5	1	C55
2203-000820	C-CERAMIC,CHIP:33pF,5%,50	4	C601-603,37
2203-001005	C-CERAMIC,CHIP:47pF,5%,50	4	C101,102,201,202
2203-001448	C-CERAMIC,CHIP:100nF,+80-	37	C1-8,C10-C35,C38-C40
2203-001448	C-CERAMIC,CHIP:100nF,+80-	7	C42-C44,46,51,52,54
2203-001448	C-CERAMIC,CHIP:100nF,+80-	3	C608,C609,C9
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C41,45
2901-000177	FILTER-EMI ON BOARD:50V,1	2	BD2,3
2901-000183	FILTER-EMI ON BOARD:50V,1	2	BD1,5
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	5	BD4,BD6-9
4715-000127	SURGE ABSORBER:300V,15%,	4	DS101,102,103,104
4715-000127	SURGE ABSORBER:300V,15%,	4	DS201,202,203,204
2601-000119	TRANS-SMD,PULSE:30mH,0.6	2	T1,2
2804-000315	OSCILLATOR-CLOCK:7.68MHz	1	Y2
2804-000361	OSCILLATOR-CLOCK:16MHz,5	1	Y1
2806-000138	OSCILLATOR-VCXO:8.192MHz	1	Y3
3301-000292	CORE-FERRITE BEAD:AA,3.5x	8	BD101-104,BD201-204
3703-000124	CONNECTOR-DIN:20P,2R,MAL	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MAL	1	P1
3703-000271	CONNECTOR-DIN:10P,2R,FEM	1	P3
3704-000255	SOCKET-IC:32P,DIP,SN,2.54	2	U6,7
935 145626DA	CON-SOCKET,26P,2R:STRAIG	1	JP
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PUR	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	
1102-000163	IC-EPROM:27C4001,512KX8B	2	U6,7

6-15 4BRI

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
KP24D-BBRIE	GB055:	1	
GA61-10503A	EJECTOR-PCB MISC:DCS,NYL	2	EJT1,2
GA92-01094A	PBA-BRI,EUROPE:DCS COMP,	1	
GA94-00994A	PRA-BRI,EURO,AUTO:DCS CC	1	AUT1
GA13-10065A	IC-ASIC:DCS,STL7066,QFP,1	1	U1
GA41-10389A	PCB-BRI,TARGET II,II:SKP-	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	2	SBT1,2
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	4	ZD101,102,201,202
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	4	ZD301,302,401,402
0407-000112	DIODE-ARRAY:BAV70LT1,70V,	4	D101,102,201,202
0407-000112	DIODE-ARRAY:BAV70LT1,70V,	4	D301,302,401,402
0407-000113	DIODE-ARRAY:BAW56LT1,70V	4	D104,105,204,205
0407-000113	DIODE-ARRAY:BAW56LT1,70V	4	D304,305,404,405
0801-000378	IC-CMOS LOGIC:74HC00,NAN	1	U100
0801-000388	IC-CMOS LOGIC:74HC08,AND	1	U20
0801-000393	IC-CMOS LOGIC:74HC86,OR (	1	U39
0801-000397	IC-CMOS LOGIC:74HC04,INVE	2	U4,28
0801-000411	IC-CMOS LOGIC:74HC32,OR (	3	U14,15,27
0801-000455	IC-CMOS LOGIC:74HC74,D FL	5	U3,24,25,31,32
0801-000646	IC-CMOS LOGIC:74HC163,BIN	5	U26,29,33,34,35
0801-000649	IC-CMOS LOGIC:74HC174,D F	1	U5
0801-000690	IC-CMOS LOGIC:74HC373,D L	1	U13
0801-000696	IC-CMOS LOGIC:74HC245,TRA	1	U12
0801-000702	IC-CMOS LOGIC:74HC125,BU	2	U21,101
0801-000702	IC-CMOS LOGIC:74HC125,BU	1	U102
0801-000716	IC-CMOS LOGIC:74HC541,BU	1	U11
0801-000945	IC-CMOS LOGIC:74HC244,BU	2	U10,30
0803-000842	IC-TTL:74LS09,AND GATE,SO	1	U18
0902-000314	IC-MICROPROCESSOR:68EC0	1	U2
1106-000141	IC-SRAM:681000,128KX8BIT,	2	U8,9
1201-000309	IC-OP AMP:3140,SOP,8P,150	2	U16,40
1202-000137	IC-VOLTAGE COMP.:1232,SOF	1	U17
1205-000157	IC-HDLC CONTRO:PEB2075-I	1	U23
1205-000383	IC-EPIC-S:PEB2054-N,PLCC	1	U19
1205-000590	IC-TRANSCEIVER:PEB2084H,F	1	U22
2007-000033	R-CHIP:0ohm,5%,1/8W,DA,TP	1	R199
2007-000223	R-CHIP:1.2Kohm,5%,1/8W,DA	1	R46
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	1	R56
2007-000288	R-CHIP:100ohm,1%,1/8W,DA,	4	R52-R55
2007-000288	R-CHIP:100ohm,1%,1/8W,DA,	4	R601-R604
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	18	R4-21
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	13	R58-60,R62-R70,R605
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	4	R101-102,R201-202
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	4	R301-302,R401-402
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	6	R1-3,R22,23,29
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R205,206,305,306

2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	7	R30-33,35,38,39
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	3	R24,R36,R37
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	3	R105,R106,R610
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	3	R405,406,500
2007-000341	R-CHIP:120Kohm,5%,1/8W,DA	1	R49
2007-000421	R-CHIP:160Kohm,1%,1/8W,DA	1	R44
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	7	R25-28,R34,45,R222
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	3	R41-43
2007-000481	R-CHIP:1Mohm,5%,1/8W,DA,T	1	R57
2007-000537	R-CHIP:200ohm,1%,1/8W,DA,	2	R50,R501
2007-000660	R-CHIP:27ohm,5%,1/8W,DA,T	4	R103,104,203,204
2007-000660	R-CHIP:27ohm,5%,1/8W,DA,T	4	R303,304,403,404
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA,	3	R40,47,48
2203-000242	C-CERAMIC,CHIP:100pF,5%,5	4	C47-C50
2203-000262	C-CERAMIC,CHIP:10nF,10%,5	3	C36,C61,63
2203-000478	C-CERAMIC,CHIP:1uF,+80-2(	1	C53
2203-000597	C-CERAMIC,CHIP:220pF,5%,5	1	C55
2203-000820	C-CERAMIC,CHIP:33pF,5%,50	4	C601-603,37
2203-001005	C-CERAMIC,CHIP:47pF,5%,50	4	C101,102,201,202
2203-001005	C-CERAMIC,CHIP:47pF,5%,50	4	C301,302,401,402
2203-001448	C-CERAMIC,CHIP:100nF,+80-	37	C1-8,C10-C35,C38-C40
2203-001448	C-CERAMIC,CHIP:100nF,+80-	7	C42-C44,46,51,52,54
2203-001448	C-CERAMIC,CHIP:100nF,+80-	3	C608,C609,C9
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	2	C41,45
2901-000177	FILTER-EMI ON BOARD:50V,1	2	BD2,3
2901-000183	FILTER-EMI ON BOARD:50V,1	2	BD1,5
3301-000345	CORE-FERRITE BEAD:ZZ,3.5x	5	BD4,BD6-9
4715-000127	SURGE ABSORBER:300V,15%,	4	DS101,102,103,104
4715-000127	SURGE ABSORBER:300V,15%,	4	DS201,202,203,204
4715-000127	SURGE ABSORBER:300V,15%,	4	DS301,302,303,304
4715-000127	SURGE ABSORBER:300V,15%,	4	DS401,402,403,404
2601-000119	TRANS-SMD,PULSE:30mH,0.6	4	T1-4
2804-000315	OSCILLATOR-CLOCK:7.68MHz	1	Y2
2804-000361	OSCILLATOR-CLOCK:16MHz,5	1	Y1
2806-000138	OSCILLATOR-VCXO:8.192MHz	1	Y3
3301-000292	CORE-FERRITE BEAD:AA,3.5x	8	BD101-104,BD201-204
3301-000292	CORE-FERRITE BEAD:AA,3.5x	8	BD301-304,BD401-404
3703-000124	CONNECTOR-DIN:20P,2R,MAL	1	P2
3703-000179	CONNECTOR-DIN:50P,2R,MAL	1	P1
3703-000271	CONNECTOR-DIN:10P,2R,FEM	1	P3
3704-000255	SOCKET-IC:32P,DIP,SN,2.54	2	U6,7
935 145626DA	CON-SOCKET,26P,2R:STRAIG	1	JP
GA99-00895A	PAA-EXP BASE,EXP STD:DCS	1	
GA68-10763A	LABEL(P)-CAUTION:SKP-816	1	
GA69-11099A	BOX(P)-UNIT:-,STD,SW5,595	1	
GA69-11107A	BOX(P)-MASTER:-,STD,SW5,	0.1	
GA69-20590A	CUSHION-PAD:SKP-24D,PUR	2	
GA69-30569A	BAG-CONDUCTIVE:-,0.1,200	1	
GA69-90501A	PAC-SILICAGEL:SiO2,72x59,	1	
1102-000163	IC-EPROM:27C4001,512KX8BI	2	U6,7

16 DCS EURO 24B & 12B KTS PARTS LIST

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA92-01095A	PBA-W/LCD AND STD:EURO KTS 2	1	
GA13-10109A	IC-HYB:SKP-56EX/120MX,SAN	1	U8
GA26-10053A	TRANS-PULSE:DGP	1	T1
GA94-01175A	PRA-AUTO:EURO KTS24B	1	AUT
GA11-10084A	IC-MASK ROM:DCS KTS,HD643	1	U1
GA41-10390A	PCB-PHONE:EURO24B,EURO12B	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	2	L3,L4
0401-000128	DIODE-SWITCHING:HSK120,60	7	D1,D6-D11
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D2-D5
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	2	ZD1,ZD2
0601-001064	LED:CHIP,RED/YEL,2mm,570n	16	DL1-DL16
0601-001095	LED:CHIP,RED,2mm,660nm	12	SL1-SL16
0801-000378	IC-CMOS LOGIC:74HC00,NAND	1	U13
0801-000388	IC-CMOS LOGIC:74HC08,AND	1	U5
0801-000411	IC-CMOS LOGIC:74HC32,0R	1	U15
0801-000455	IC-CMOS LOGIC:74HC74,D	1	U14
0801-000630	IC-CMOS LOGIC:74HC393A,BI	1	U4
0801-000702	IC-CMOS LOGIC:74HC125,BUF	2	U9,U16
0801-000945	IC-CMOS LOGIC:74HC244,BUF	2	U11,U12
0801-000948	IC-CMOS LOGIC:74HC126,BUFFER	1	U17
1003-000113	IC-CURRENT DRIVER:ULN2803	1	U10
1201-000105	IC-AUDIO AMP:34119,SOP,8P	1	U7
1201-000167	IC-OP AMP:358,SOP,8P,150M	1	U6
1202-000167	IC-VOLTAGE COMP:8053	1	U18
1205-000422	IC-CODEC:TC35320BF,QFP,44	1	U2
1205-000443	IC-RASL:TP3464N,PLCC,28P,	1	U3
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	10	R2,R6-R12,R14,R38
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	8	R39,R47-53,R69
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	16	R1,R80-87,R92-98
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	4	R4,13,25,29
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	16	R30-37,R54-60,R88
2007-000397	R-CHIP:150Kohm,5%,1/8W,DA	1	R17
2007-000412	R-CHIP:15Kohm,5%,1/8W,DA,	1	R15
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	5	R3,R5,R20,R21,R26
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	4	R73,R74,R76,77
2007-000548	R-CHIP:20Kohm,5%,1/8W,DA,	2	R23,R24
2007-000674	R-CHIP:2Kohm,5%,1/8W,DA,T	10	R18,R27,R61-R68
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA	2	R19,R28
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	3	R22,R72,R90
2007-000850	R-CHIP:3ohm,5%,1/8W,DA,TP	2	R40,R41
2007-000950	R-CHIP:47ohm,5%,1/8W,DA,T	6	R16,R42-R45,R75
2007-001355	R-CHIP:10ohm,5%,1/8W,DA,T	1	R71
2203-000196	C-CERAMIC,CHIP:100nF,+80-	10	C4,C5,C7,C11-C16,C20
2203-000196	C-CERAMIC,CHIP:100nF,+80-	5	C21,C24,C25,C29,C31
2203-000196	C-CERAMIC,CHIP:100nF,+80-	4	C36,C37,C39,C40
2203-000196	C-CERAMIC,CHIP:100nF,+80-	7	C42-C45,C49,C55,C70
2203-000228	C-CERAMIC,CHIP:100pF,10%	13	C56,C58-69

2203-000252	C-CERAMIC,CHIP:10nF,+80-2	5	C10,27,50,52,53
2203-000296	C-CERAMIC,CHIP:10nF,+80-2	1	C57
2203-000478	C-CERAMIC,CHIP:1uF,+80-20	2	C2,C3
2203-001496	C-CERAMIC,CHIP:47pF,5%,50	5	C18,C19,C46,C47,C48
2203-001501	C-CERAMIC,CHIP:820pF,5%,5	3	C23,C30,C51
2305-000587	C-FILM,MPEF:470nF,10%,63V	1	C1
2401-000027	C-AL:4.7uF,20%,50V,GP,TP,	2	C34,C35
2401-000802	C-AL:220uF,20%,16V,GP,TP,	1	C33
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	6	C22,C26,C32,C38,C41,C54
2401-000031	C-AL:47uF,20%,16V,GP,TP,5	2	C17,C28
2401-001349	C-AL:470uF,20%,10V,GP,TP,	2	C6,C8
2703-000343	INDUCTOR-SMD:220uH,10%,2.	2	L1,L2
3301-000344	CORE-FERRITE BEAD:ZZ	1	B1
1405-000170	VARISTOR:82V,1200A,9x3.6m	1	ZNR1
2001-000635	R-CARBON:30ohm,2%,1/2W,AA	1	R70
2401-000373	C-AL:100uF,20%,63V,GP,TP,	1	C9
2801-003268	CRYSTAL-UNIT:12.288MHz,50	1	Y1
3409-000121	SWITCH-HOOK:53V,100mA	1	S1
935 145626DA	CON-SOCKET,26P,2R,STRAIGHT	1	P7
3708-000157	CONNECTOR-FPC/FC/PIC:14P,	1	P6
3711-000822	CONNECTOR-HEADER:BOX,2P,1	2	P3,P4
3722-000262	JACK-MODULAR:6P/4C,-,AU50	2	P1,P5
3722-000265	JACK-MODULAR:4P/4C,-,AU50	1	P2

17 DCS EURO SIMPLE KTS PARTS LIST

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA92-01101A	PBA-EURO KTS SIMPLE	1	
GA13-10109A	IC-HYB:SKP-56EX/120MX,SAN	1	U8
GA26-10053A	TRANS-PULSE:DGP	1	T1
GA94-01178A	PRA-AUTO:EURO KTS SIMPLE	1	AUT
GA09-10001A	IC-MICRO COMPUTER	1	U1
GA41-10392A	PCB-PHONE:EURO KTS SIMPLE	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	2	L2,L3
0401-000128	DIODE-SWITCHING:HSK120,60	3	D1,D6,D7
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D2-D5
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	2	ZD1,ZD2
0601-001095	LED:CHIP,RED,2mm,660nm	10	SL1-SL10
0801-000378	IC-CMOS LOGIC:74HC00,NAND	1	U13
0801-000388	IC-CMOS LOGIC:74HC08,AND	2	U5,U8
0801-000411	IC-CMOS LOGIC:74HC32,0R	1	U15
0801-000455	IC-CMOS LOGIC:74HC74,D	1	U14
0801-000630	IC-CMOS LOGIC:74HC393A,BI	1	U4
0801-000702	IC-CMOS LOGIC:74HC125,BUF	1	U16
1201-000105	IC-AUDIO AMP:34119,SOP,8P	1	U7
1201-000167	IC-OP AMP:358,SOP,8P,150M	1	U6
1202-000167	IC-VOLTAGE COMP:8053	1	U17
1205-000422	IC-CODEC:TC35320BF,QFP,44	1	U2
1205-000443	IC-RASL:TP3464N,PLCC,28P,	1	U3
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	3	R2,R14,R69
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	13	R1,R80-87,R92-95
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	14	R4,5,13,25,29,R30-37,R88
2007-000412	R-CHIP:15Kohm,5%,1/8W,DA,	1	R15
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	4	R3,R26,R73-74
2007-000548	R-CHIP:20Kohm,5%,1/8W,DA,	10	R6-12,R19,R23,R24
2007-000674	R-CHIP:2Kohm,5%,1/8W,DA,T	8	R18,R27,R61-R66
2007-000740	R-CHIP:30Kohm,5%,1/8W,DA	2	R19,R28
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	3	R72,R96,R98
2007-000950	R-CHIP:47ohm,5%,1/8W,DA,T	5	R16,R40,R41,R75,R90
2007-001355	R-CHIP:10ohm,5%,1/8W,DA,T	1	R71
2203-000196	C-CERAMIC,CHIP:100nF,+80-	7	C4,C5,C7,C11,12,15,16
2203-000196	C-CERAMIC,CHIP:100nF,+80-	8	C20,C21,C24-27,C31,C40
2203-000196	C-CERAMIC,CHIP:100nF,+80-	8	C42-45,49,13,29,55
2203-000228	C-CERAMIC,CHIP:100pF,10%	3	C46,C58,C70
2203-000252	C-CERAMIC,CHIP:10nF,+80-2	4	C10,50,52,53
2203-000478	C-CERAMIC,CHIP:1uF,+80-20	2	C2,C3
2203-001496	C-CERAMIC,CHIP:47pF,5%,50	2	C18,C19
2203-001501	C-CERAMIC,CHIP:820pF,5%,5	2	C23,C51
2305-000587	C-FILM,MPEF:470nF,10%,63V	1	C1
2401-000027	C-AL:4.7uF,20%,50V,GP,TP,	2	C34,C35
2401-000802	C-AL:220uF,20%,16V,GP,TP,	1	C33
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	4	C22,C38,C41,C54
2401-000031	C-AL:47uF,20%,16V,GP,TP,5	2	C17,C28
2401-001350	C-AL:470uF,20%,10V,GP,TP,	2	C6,C8

2703-000343	INDUCTOR-SMD:220uH,10%,2.	1	L1
3301-000344	CORE-FERRITE BEAD:ZZ	1	B1
1405-000170	VARISTOR:82V,1200A,9x3.6m	1	ZNR1
2001-000635	R-CARBON:30ohm,2%,1/2W,AA	1	R70
2401-000373	C-AL:100uF,20%,63V,GP,TP,	1	C9
2801-003268	CRYSTAL-UNIT:12.288MHz,50	1	Y1
3409-000121	SWITCH-HOOK:53V,100mA	1	S1
3708-000157	CONNECTOR-FPC/FC/PIC:14P,	1	P6
3711-000822	CONNECTOR-HEADER:BOX,2P,1	1	P4
3711-000965	CONNECTOR-HEADER:BOX,4P,1	2	P8,P9
3722-000262	JACK-MODULAR:6P/4C,-,AU50	1	P1
3722-000265	JACK-MODULAR:4P/4C,-,AU50	1	P2

18 DCS EURO AOM PARTS LIST

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA92-01099A	PBA-EURO KTS AOM	1	
GA13-10109A	IC-HYB:SKP-56EX/120MX,SAN	1	U8
GA26-10053A	TRANS-PULSE:DGP	1	T1
GA94-00873A	PRA-AUTO:EURO KTS AOM	1	AUT
GA11-10084A	IC-MASK ROM	1	U1
GA41-10323A	PCB-PHONE:EURO AOM	1	PCB
JF27-60051A	COIL-FILTER:CF5400,60uH,5	2	L2,L3
0401-000128	DIODE-SWITCHING:HSK120,60	1	D1
0402-000305	DIODE-RECTIFIER:RLR4003,2	4	D2-D5
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	2	ZD1,ZD2
0601-001095	LED:CHIP,RED,2mm,660nm	48	SL1-48
0801-000378	IC-CMOS LOGIC:74HC00,NAND	1	U13
0801-000630	IC-CMOS LOGIC:74HC393A	2	U4,U5
0801-000702	IC-CMOS LOGIC:74HC125,BUFF	1	U9
0801-000945	IC-CMOS LOGIC:74HC244,BUFF	2	U11,U12
1003-000113	IC-CURRENT DRIVER:ULN2803	1	U10
1202-000167	IC-VOLTAGE COMP:8053	1	U18
1205-000443	IC-RASL:TP3464N,PLCC,28P,	1	U3
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	9	R2,R6-R12,R38
2007-000285	R-CHIP:100Kohm,5%,1/8W,DA	8	R47-53,R69
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R1
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	2	R4,R71
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	15	R30-R37,R54-R60
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	1	R26
2007-000674	R-CHIP:2Kohm,5%,1/8W,DA,T	8	R61-R68
2007-000824	R-CHIP:390ohm,5%,1/8W,DA,	1	R90
2007-000950	R-CHIP:47ohm,5%,1/8W,DA,T	7	R40-46
2203-000196	C-CERAMIC,CHIP:100nF,+80-	8	C4,C7,C10,C11,C13-C15,C21
2203-000196	C-CERAMIC,CHIP:100nF,+80-	3	C25,C36,C40
2203-000228	C-CERAMIC,CHIP:100nF,+80-	1	C5
2203-000478	C-CERAMIC,CHIP:1uF,+80-20	2	C2,C3
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	1	C41
2401-001349	C-AL:470uF,20%,10V,GP,TP,	1	C8
3301-000344	CORE-FERRITE BEAD:ZZ	1	B1
1405-000170	VARISTOR:82V,1200A,9x3.6m	1	ZNR1
2305-000587	C-FILM,MPEF:470nF,10%,63V	1	C1
2401-000373	C-AL:100uF,20%,63V,GP,TP,	1	C9
2801-003268	CRYSTAL-UNIT:12.288MHz,50	1	Y1
3722-000262	JACK-MODULAR:6P/4C,-,AU50	1	P1

19 DCS EURO KDB-S PARTS LIST

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA92-01105A	PBA:EURO KTS KDb_S	1	
EC26-20501A	TRANS-AF:INFOREX,-,800mH	1	T2
GA26-30073A	TRANS-POWER:DCS,-48V//13V	1	T1
GA94-01180A	PRA-AUTO:EURO KTS KDb-S	1	AUTO
GA41-10393A	PCB-KDB_S,EURO	1	PCB
0401-000117	DIODE-SWITCHING:RLS245,22	8	D4,D5,D6,D20-D24
0401-000128	DIODE-SWITCHING:HSK120,60	5	D1,D2,D15-D17
0402-000197	DIODE-RECTIFIER:D1FL40-40	1	D3
0402-000305	DIODE-RECTIFIER:RLR4003,2	7	D7-D10,D12-D14
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	3	ZD3,ZD4,ZD11
0403-000549	DIODE-ZENER:RLZJ24B,24V,2	2	ZD1,ZD2
0501-000295	TR-SMALL SIGNAL:KSA709-Y	1	Q7
0501-000332	TR-SMALL SIGNAL:KSC1009-Y	3	Q8,10,11
0501-000477	TR-SMALL SIGNAL:MMBT5550	8	Q1-Q6,Q9,12
0505-000323	FET-SILICON:IRFR220,N,200	1	FET1
0604-000102	PHOTO-COUPLER:TR,100-600%	1	U6
0801-000378	IC-CMOS LOGIC:74HC00,NAND	1	U11
1201-000236	IC-OP AMP:84,SOP,14P,150M	1	U3
1203-000155	IC-POSI.ADJUST REG:317	1	U2
1203-000302	IC-PWM CONTROLLER:KA3842B	1	U5
1205-000394	IC-CODEC/FILTER:TP3057WM,	1	U1
2007-000279	R-CHIP:100Kohm,1%,1/8W,DA	4	R14,30,31,34
2007-000279	R-CHIP:100Kohm,1%,1/8W,DA	3	R35,36,38
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	9	R5,R39-41,R48-50,58,62
2007-000359	R-CHIP:12Kohm,5%,1/8W,DA,	1	R2
2007-000451	R-CHIP:180ohm,5%,1/8W,DA,	1	R61
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	7	R1,8,23,42,43,46,47
2007-000472	R-CHIP:1Kohm,5%,1/8W,DA,T	2	R32,57
2007-000725	R-CHIP:300Kohm,5%,1/8W,DA	1	R33
2007-000846	R-CHIP:3Kohm,5%,1/8W,DA,T	4	R3,22,25,26
2007-000850	R-CHIP:3ohm,5%,1/8W,DA,TP	4	R9,R10,R21,R60
2007-000934	R-CHIP:470ohm,5%,1/8W,DA,TP	2	R51,R55
2007-000944	R-CHIP:47Kohm,5%,1/8W,DA,	3	R6,R28,R37
2007-000950	R-CHIP:47ohm,5%,1/8W,DA,T	1	R7
2007-001041	R-CHIP:56Kohm,5%,1/8W,DA,	4	R11,12,16,17
2007-001041	R-CHIP:56Kohm,5%,1/8W,DA,	4	R27,29,44,45
2007-001045	R-CHIP:56ohm,5%,1/8W,DA,T	1	R56
2007-001212	R-CHIP:82Kohm,5%,1/8W,DA,	3	R4,R13,R18
2007-001355	R-CHIP:10ohm,5%,1/8W,DA,T	5	R20,24,R52-54
2202-000325	C-CERAMIC,MLC-RADIAL:100n	3	C13,C27,C28
2203-000597	C-CERAMIC,CHIP:220pF,5%,5	3	C7,C12,C30
2203-000887	C-CERAMIC,CHIP:4.7nF,10%,	1	C9
2203-001452	C-CERAMIC,CHIP:100nF,20%,	5	C1-C2,C3,C5,C8
2203-001452	C-CERAMIC,CHIP:100nF,20%,	5	C20,C23,C31-32,C35
2203-001474	C-CERAMIC,CHIP:220nF	1	C36
2203-001501	C-CERAMIC,CHIP:820pF	1	C24
2401-000625	C-AL:2.2uF,20%,160V,GP,TP	2	C26,C34

2401-000023	C-AL:1uF,20%,50V,GP,TP,5x	2	C10,15
2401-000028	C-AL:10uF,20%,50V,GP,TP,5	1	C11
2401-000966	C-AL:22uF,20%,50V,GP,TP,6	1	C29
2401-001349	C-AL:470uF,20%,10V,GP,TP,	2	C19,C21
2703-000343	INDUCTOR-SMD:220uH,10%,2.	1	L1
3502-000102	RELAY-PHOTOMOS:-,-,350mA,	4	U7-10
JF27-60051A	COIL-FILTER:CF5400,60uH,5	2	L2,L3
0402-000165	DIODE-RECTIFIER:1N5819,40	1	D18
0403-000153	DIODE-ZENER:1N4746A,18V,5	1	ZD5
0403-000166	DIODE-ZENER:1N4758,56V,10	1	ZD10
1203-000425	IC-POSI.ADJUST REG:34063	1	U4
2003-000143	R-METAL OXODE:100ohm,2%	2	RW5,RW6
2003-000262	R-METAL OXODE:300ohm,2%	4	RW1-RW4
2305-000583	C-FILM,MPEF:470nF,10%,250	1	C22
2401-000373	C-AL:100uF,20%,63V,GP,TP,	5	C4,6,16,17,25
2401-001661	C-AL:68uF,20%,100V,GP,TP,	1	C14
3711-001970	CONNECTOR-HEADER:26P,2R	1	P1
4715-000126	SURGE ABSORBER:500V,15%	1	DSS1

20 DCS EURO KDB-D PARTS LIST

SEC CODE	DESCRIPTION	Q'TY	COMPONENT NAME
GA92-01107A	PBA-EURO KTS KDb-D	1	
GA26-10053A	TRANS-PULSE:DGP	1	T1
GA94-01181A	PRA-AUTO:EURO KTS KDb-D	1	AUT
BH39-40305U	CBF-HARNESS:,52MM,,,AWG22	6	TP1-TP6
GA41-10394A	PCB-PHONE:EURO KTS KDb-D	1	PCB
0403-000308	DIODE-ZENER:RLZ3.6A,3.6V,	2	ZD1,ZD2
1205-000443	IC-RASL:TP3464N,PLCC,28P,	1	U1
2007-000293	R-CHIP:100ohm,5%,1/8W,DA,	1	R1
2007-000303	R-CHIP:10Kohm,5%,1/8W,DA,	1	R2
2203-000196	C-CERAMIC,CHIP:100nF,+80-	2	C4,C5
2203-000478	C-CERAMIC,CHIP:1uF,+80-20	2	C2,C3
JF27-60051A	COIL-FILTER:CF5400,60uH,5	2	LC1,LC2
2305-000587	C-FILM,MPEF:470nF,10%,63V	1	C1
3711-001970	CONNECTOR-HEADER:26P,2R	1	P1

Chapter 7

Exploded View & Parts List

7-1 SIM 7-1

7-2 Handset 7-2

7-3 LED Phone 7-3

7-4 AOM 7-4

Chapter 8

Circuit Diagram

8-1 408 Base ---------- 8-1

8-2 RAM Pack ---------- 8-7

8-3 2SLI ---------- 8-8

8-4 MISC ---------- 8-9

8-5 EXP Base ---------- 8-12

8-6 6DLI ---------- 8-13

8-7 4TRK ---------- 8-15

8-8 6SLI ---------- 8-18

8-9 VDIAL ---------- 8-20

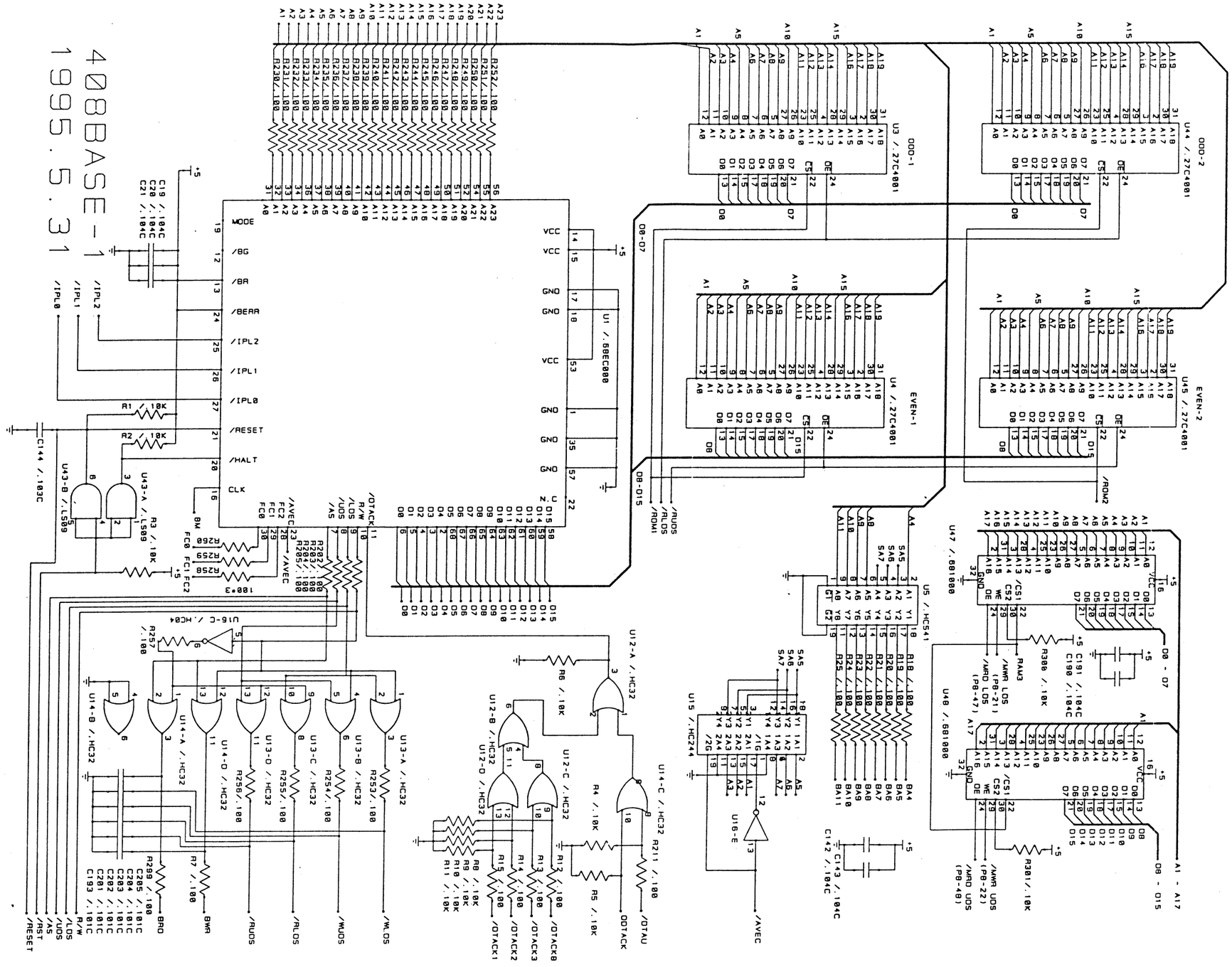
8-10 4COP ---------- 8-22

8-11 Ringer ---------- 8-24

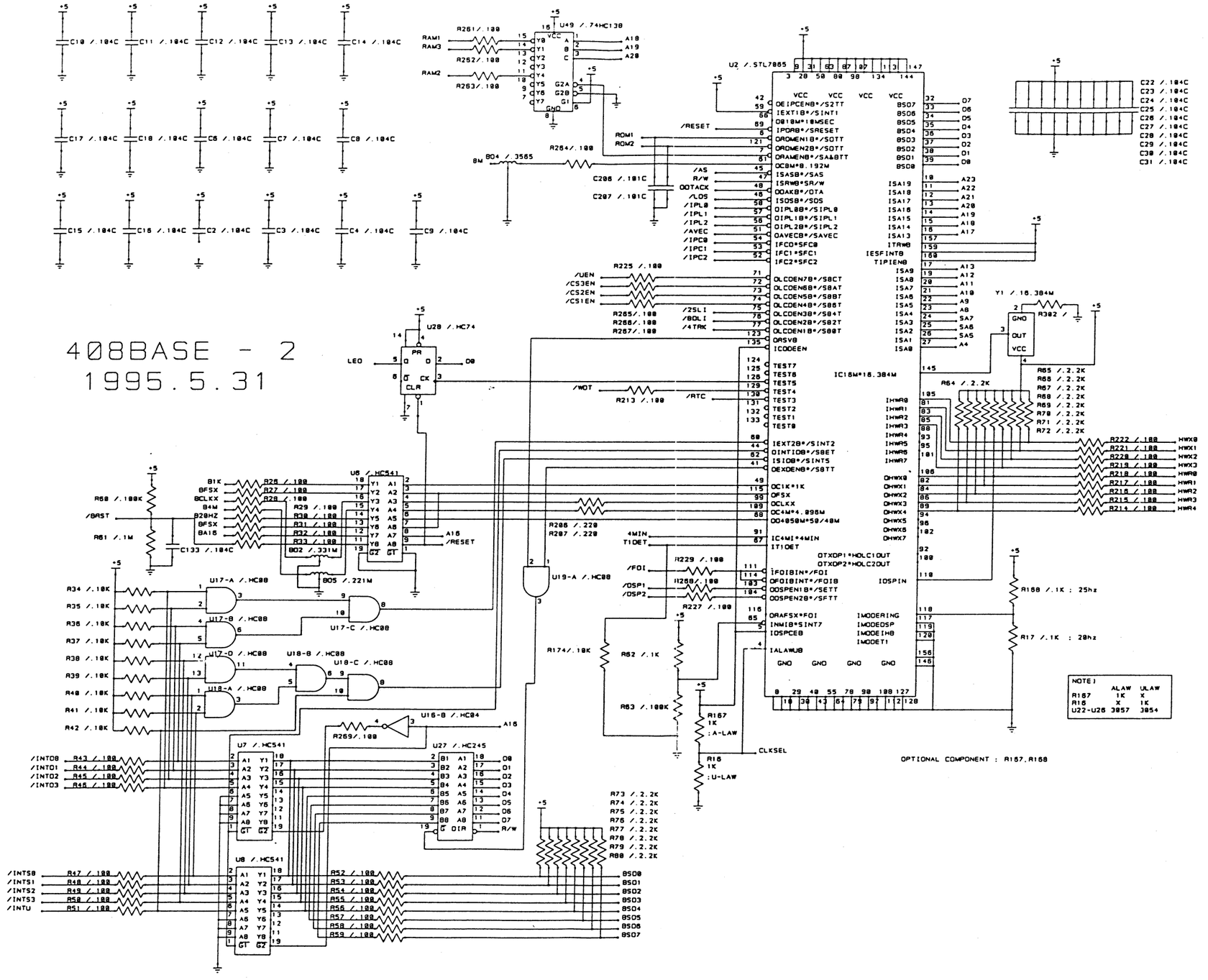
8-12 STRK ---------- 8-25

8-12 AC 15 ---------- 8-31

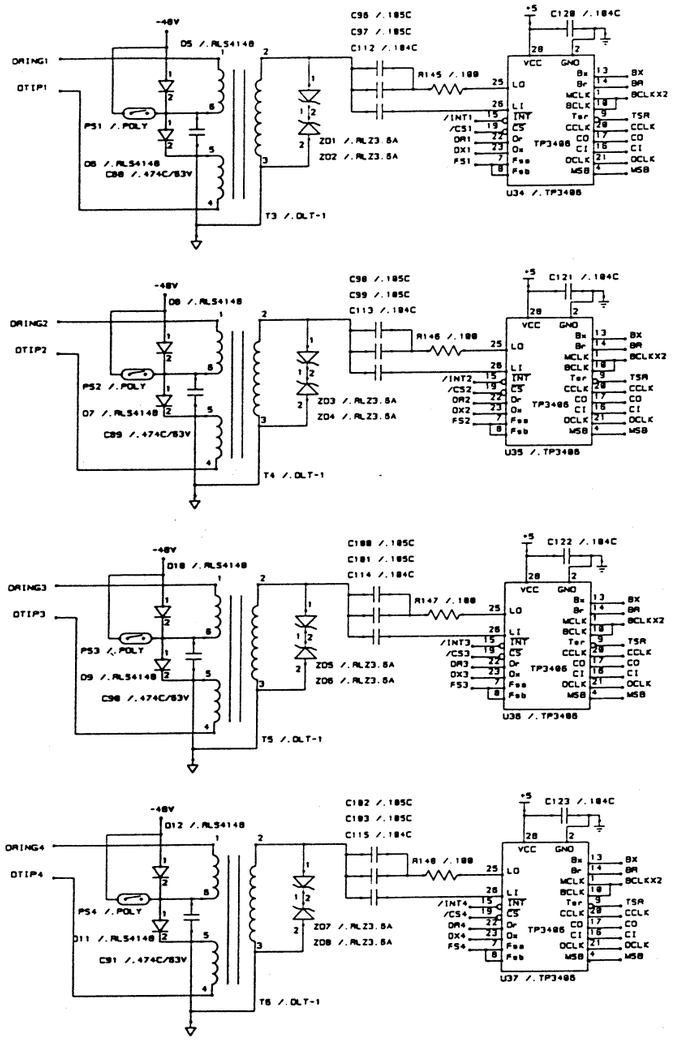
8-1 408 Base (1/6)

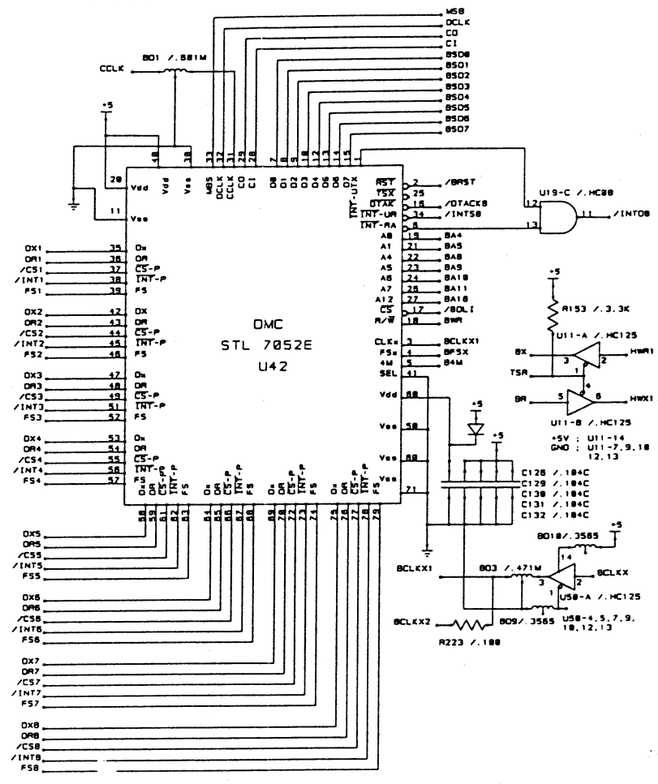


408 Base (2/6)

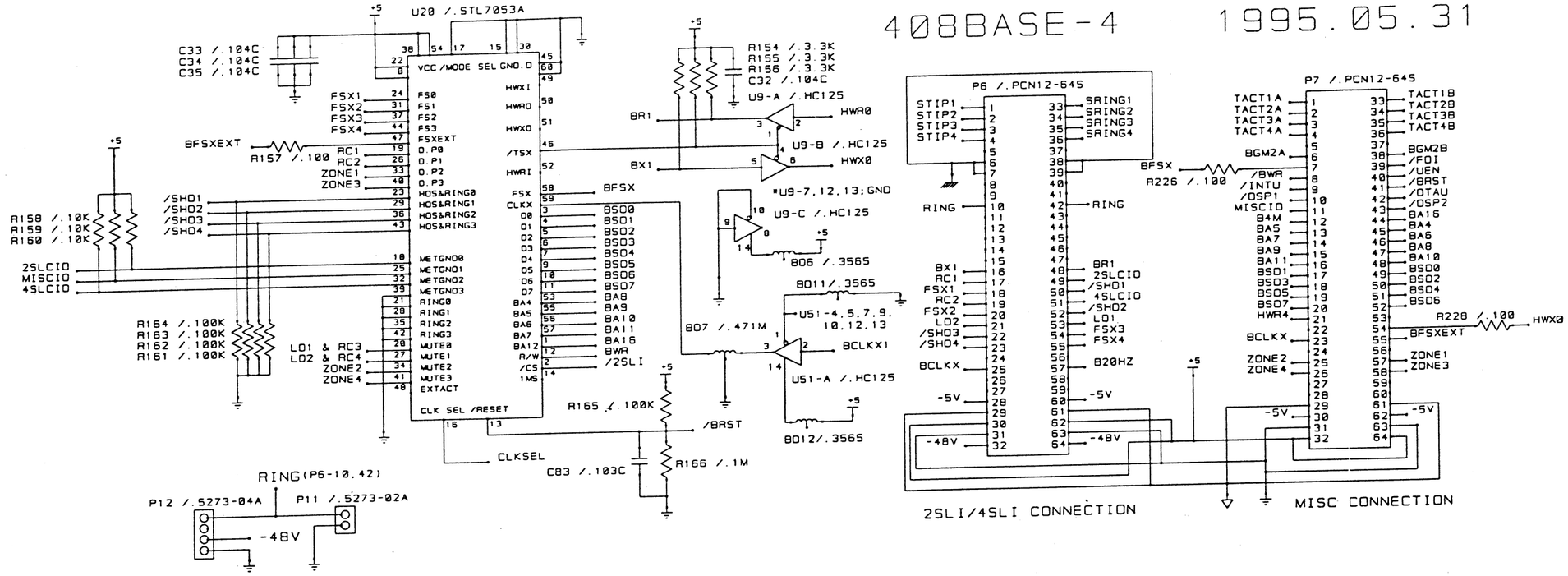

408BASE - 2
1995.5.31
U2 /.STL7865
U49 /.74HC138
U28 /.HC74
U5 /.HC541
U8 /.HC541
U7 /.HC541
U27 /.HC245
U17-A /.HC08
U17-B /.HC08
U17-C /.HC08
U17-D /.HC08
U18-A /.HC08
U18-B /.HC08
U18-C /.HC08
U16-B /.HC04
U19-A /.HC08
Y1 /.16.384M
IC16M*16.384M
R64 /.2.2K
R65 /.2.2K
R66 /.2.2K
R67 /.2.2K
R68 /.2.2K
R69 /.2.2K
R70 /.2.2K
R71 /.2.2K
R72 /.2.2K
R73 /.2.2K
R74 /.2.2K
R75 /.2.2K
R76 /.2.2K
R77 /.2.2K
R78 /.2.2K
R79 /.2.2K
R80 /.2.2K
R188 /.1K : 25hz
R17 /.1K : 20hz
R167 1K :A-LAW
R16 1K :U-LAW
CLKSEL
NOTE)
R167 ALAW 1K ULAW X
R16 X 1K
U22-U28 3857 3854
OPTIONAL COMPONENT : R167,R168

408 Base (3/6)

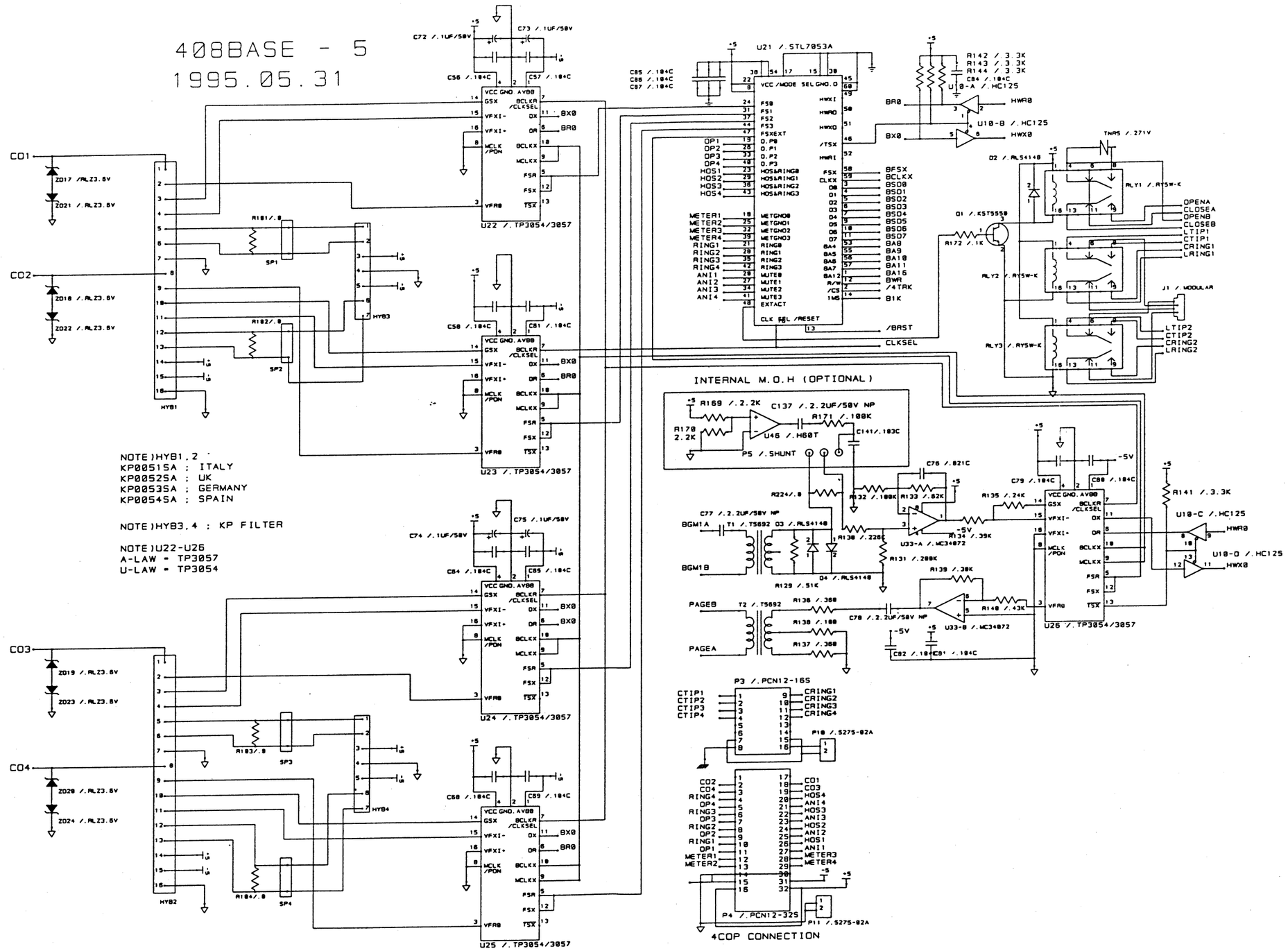

-48V
D5 /.RLS4148
ORING1
OTIP1
PS1 /.POLY
D6 /.RLS4148
C98 /.185C
C97 /.185C
C112 /.184C
C96 /.474C/63V
T3 /.DLT-1
ZD1 /.RLZ3.6A
ZD2 /.RLZ3.6A
R145 /.18Ω
+5
C120 /.184C
U34 /.TP3486
D8 /.RLS4148
ORING2
OTIP2
PS2 /.POLY
D7 /.RLS4148
C99 /.474C/63V
T4 /.DLT-1
C98 /.185C
C99 /.185C
C113 /.184C
ZD3 /.RLZ3.6A
ZD4 /.RLZ3.6A
R146 /.18Ω
C121 /.184C
U35 /.TP3486
D18 /.RLS4148
ORING3
OTIP3
PS3 /.POLY
D9 /.RLS4148
C98 /.474C/63V
T5 /.DLT-1
C100 /.185C
C101 /.185C
C114 /.184C
ZD5 /.RLZ3.6A
ZD6 /.RLZ3.6A
R147 /.18Ω
C122 /.184C
U36 /.TP3486
D12 /.RLS4148
ORING4
OTIP4
PS4 /.POLY
D11 /.RLS4148
C91 /.474C/63V
T6 /.DLT-1
C102 /.185C
C103 /.185C
C115 /.184C
ZD7 /.RLZ3.6A
ZD8 /.RLZ3.6A
R148 /.18Ω
C123 /.184C
U37 /.TP3486
D14 /.RLS4148
ORING5
OTIP5
PS5 /.POLY
D13 /.RLS4148
C92 /.474C/63V
T7 /.DLT-1
C104 /.185C
C105 /.185C
C116 /.184C
ZD9 /.RLZ3.6A
ZD10 /.RLZ3.6A
R149 /.18Ω
C124 /.184C
U38 /.TP3486
D16 /.RLS4148
ORING6
OTIP6
PS6 /.POLY
D15 /.RLS4148
C93 /.474C/63V
T8 /.DLT-1
C106 /.185C
C107 /.185C
C117 /.184C
ZD11 /.RLZ3.6A
ZD12 /.RLZ3.6A
R150 /.18Ω
C125 /.184C
U39 /.TP3486
D18 /.RLS4148
ORING7
OTIP7
PS7 /.POLY
D17 /.RLS4148
C94 /.474C/63V
T9 /.DLT-1
C108 /.185C
C109 /.185C
C118 /.184C
ZD13 /.RLZ3.6A
ZD14 /.RLZ3.6A
R151 /.18Ω
C127 /.184C
U40 /.TP3486
D19 /.RLS4148
ORING8
OTIP8
PS8 /.POLY
D28 /.RLS4148
C95 /.474C/63V
T10 /.DLT-1
C110 /.185C
C111 /.185C
C119 /.184C
ZD15 /.RLZ3.6A
ZD16 /.RLZ3.6A
R152 /.18Ω
C128 /.184C
U41 /.TP3486
VCC
GND
LO
LI
INT
CS
Or
Ox
Fse
Feb
Bx
Br
WCLK
BCLK
Ter
CCLK
CO
CI
DCLK
MSB
BX
BR
BCLKX2
TSR
/INT1
/CS1
OR1
OX1
FS1
/INT2
/CS2
OR2
OX2
FS2
/INT3
/CS3
OR3
OX3
FS3
/INT4
/CS4
OR4
OX4
FS4
/INT5
/CS5
OR5
OX5
FS5
/INT6
/CS6
OR6
OX6
FS6
/INT7
/CS7
OR7
OX7
FS7
/INT8
/CS8
OR8
OX8
FS8


408BASE-3
1995.05.31
NOTE) STL7052B, STL7052C PIN 80 - Vcc
STL7052E PIN 80 - GND
DMC
STL 7052E
U42
801 /.681M
CCLK
U19-C /.HC08
/INTO8
R153 /.3.3K
U11-A /.HC125
U11-B /.HC125
+5V : U11-14
GND : U11-7,9,10
12,13
C126 /.184C
C129 /.184C
C130 /.184C
C131 /.184C
C132 /.184C
8010/.3585
803 /.471M
BCLKX
U50-A /.HC125
BCLKX1
BCLKX2
R223 /.18Ω
809/.3585
U50-4,5,7,9,
10,12,13
/BRST
/OTACK8
/INTS8
BSD0
BSD1
BSD2
BSD3
BSD4
BSD5
BSD6
BSD7
BA4
BA5
BA8
BA9
BA10
BA11
BA12
/BOLI
BWR
BCLKX1
BFSX
B4M
HWR1
HWX1

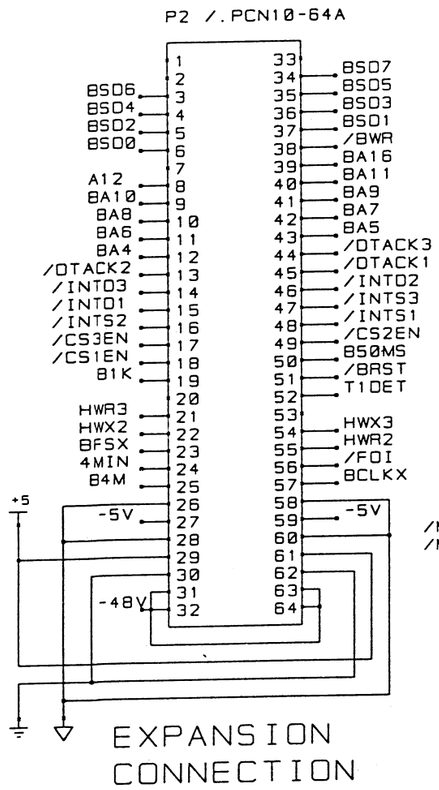
408 Base (4/6)

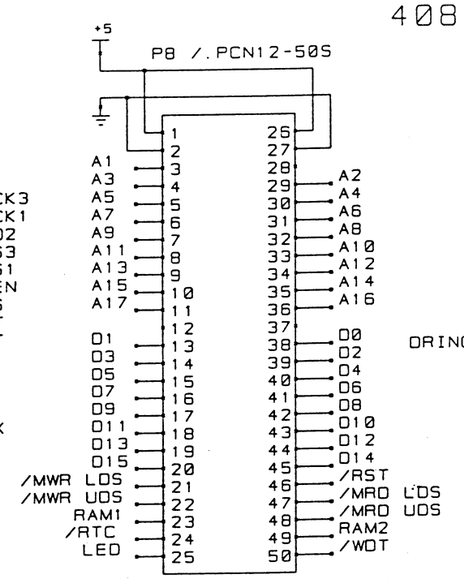

408BASE-4 1995.05.31
U20 /.STL7053A
C33 /.104C
C34 /.104C
C35 /.104C
VCC /MODE SEL GND.D
FSX1
FSX2
FSX3
FSX4
FS0
FS1
FS2
FS3
FSXEXT
D.P0
D.P1
D.P2
D.P3
HOS&RING0
HOS&RING1
HOS&RING2
HOS&RING3
METGND0
METGND1
METGND2
METGND3
RING0
RING1
RING2
RING3
MUTE0
MUTE1
MUTE2
MUTE3
EXTACT
CLK SEL /RESET
HWXI
HWRO
HWXO
/TSX
HWRI
FSX
CLKX
D0
D1
D2
D3
D4
D5
D6
D7
BA4
BA5
BA6
BA7
BA12
R/W
/CS
1MS
BSD0
BSD1
BSD2
BSD3
BSD4
BSD5
BSD6
BSD7
BA8
BA9
BA10
BA11
BA16
BWR
/2SLI
BFSXEXT
R157 /.100
RC1
RC2
ZONE1
ZONE3
/SHO1
/SHO2
/SHO3
/SHO4
R158 /.10K
R159 /.10K
R160 /.10K
2SLCIO
MISCIO
4SLCIO
R164 /.100K
R163 /.100K
R162 /.100K
R161 /.100K
LO1 & RC3
LO2 & RC4
ZONE2
ZONE4
R165 /.100K
/BRST
CLKSEL
C83 /.103C
R166 /.1M
R154 /.3.3K
R155 /.3.3K
R156 /.3.3K
C32 /.104C
U9-A /.HC125
U9-B /.HC125
U9-C /.HC125
*U9-7,12,13;GND
BR1
BX1
HWR0
HWX0
BD6 /.3565
BD11/.3565
BD7 /.471M
U51-4,5,7,9,10,12,13
U51-A /.HC125
BCLKX1
BD12/.3565
P6 /.PCN12-64S
STIP1
STIP2
STIP3
STIP4
RING
SRING1
SRING2
SRING3
SRING4
BR1
2SLCIO
/SHO1
4SLCIO
/SHO2
LO1
FSX3
FSX4
B20HZ
BCLKX
-5V
-48V
2SLI/4SLI CONNECTION
P7 /.PCN12-64S
TACT1A
TACT2A
TACT3A
TACT4A
BGM2A
/BWR
/INTU
/DSP1
MISCID
B4M
BA5
BA7
BA9
BA11
BSD1
BSD3
BSD5
BSD7
HWR4
ZONE2
ZONE4
TACT1B
TACT2B
TACT3B
TACT4B
BGM2B
/FDI
/UEN
/BRST
/DTAU
/DSP2
BA16
BA4
BA6
BA8
BA10
BSD0
BSD2
BSD4
BSD6
R226 /.100
R228 /.100
HWX0
BFSXEXT
ZONE1
ZONE3
MISC CONNECTION
RING(P6-10,42)
P12 /.5273-04A
P11 /.5273-02A
-48V

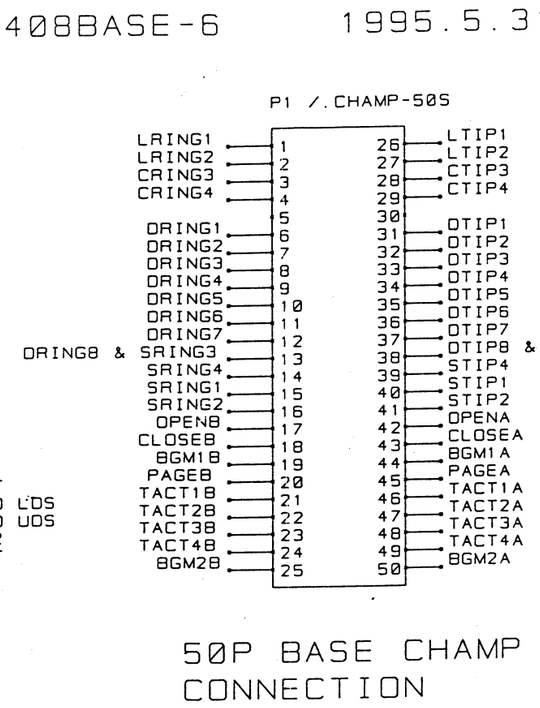
408 Base (5/6)

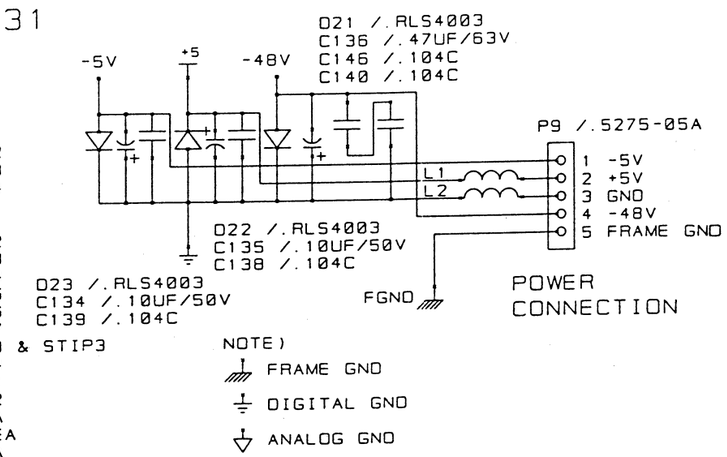

408BASE - 5
1995.05.31
NOTE)HYB1,2
KP0051SA : ITALY
KP0052SA : UK
KP0053SA : GERMANY
KP0054SA : SPAIN
NOTE)HYB3,4 ; KP FILTER
NOTE)U22-U26
A-LAW = TP3057
U-LAW = TP3054
U22 /.TP3054/3057
U23 /.TP3054/3057
U24 /.TP3054/3057
U25 /.TP3054/3057
U26 /.TP3054/3057
U21 /.STL7053A
INTERNAL M.O.H (OPTIONAL)
4COP CONNECTION
P3 /.PCN12-16S
P4 /.PCN12-32S
P10 /.5275-02A
P11 /.5275-02A
P5 /.SHUNT
U46 /.H60T
U33-A /.MC34072
U33-B /.MC34072
U18-A /.HC125
U18-B /.HC125
U18-C /.HC125
U18-D /.HC125
J1 /.MODULAR
Q1 /.KST5550
Q2 /.RLS4148
Q3 /.RLS4148
Q4 /.RLS4148
T1 /.T5692
T2 /.T5692
RLY1 /.RYSW-K
RLY2 /.RYSW-K
RLY3 /.RYSW-K

408 Base (6/6)

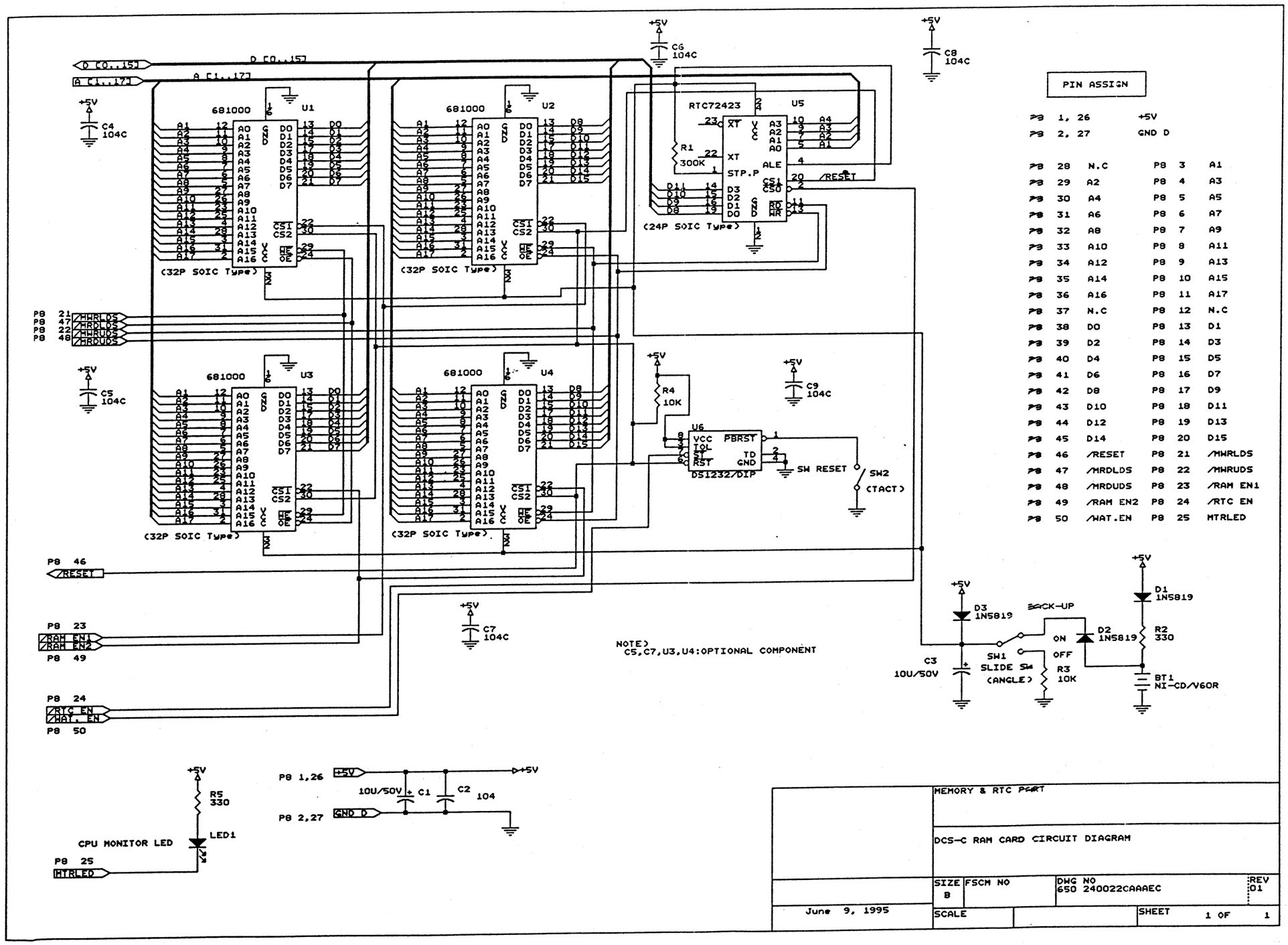

P2 /.PCN10-64A
BSD6
BSD4
BSD2
BSD0
A12
BA10
BA8
BA6
BA4
/OTACK2
/INTO3
/INTO1
/INTS2
/CS3EN
/CS1EN
B1K
HWR3
HWX2
BFSX
4MIN
B4M
+5
-5V
-48V
BSD7
BSD5
BSD3
BSD1
/BWR
BA16
BA11
BA9
BA7
BA5
/OTACK3
/OTACK1
/INTO2
/INTS3
/INTS1
/CS2EN
B50MS
/BRST
T1DET
HWX3
HWR2
/FOI
BCLKX
EXPANSION
CONNECTION

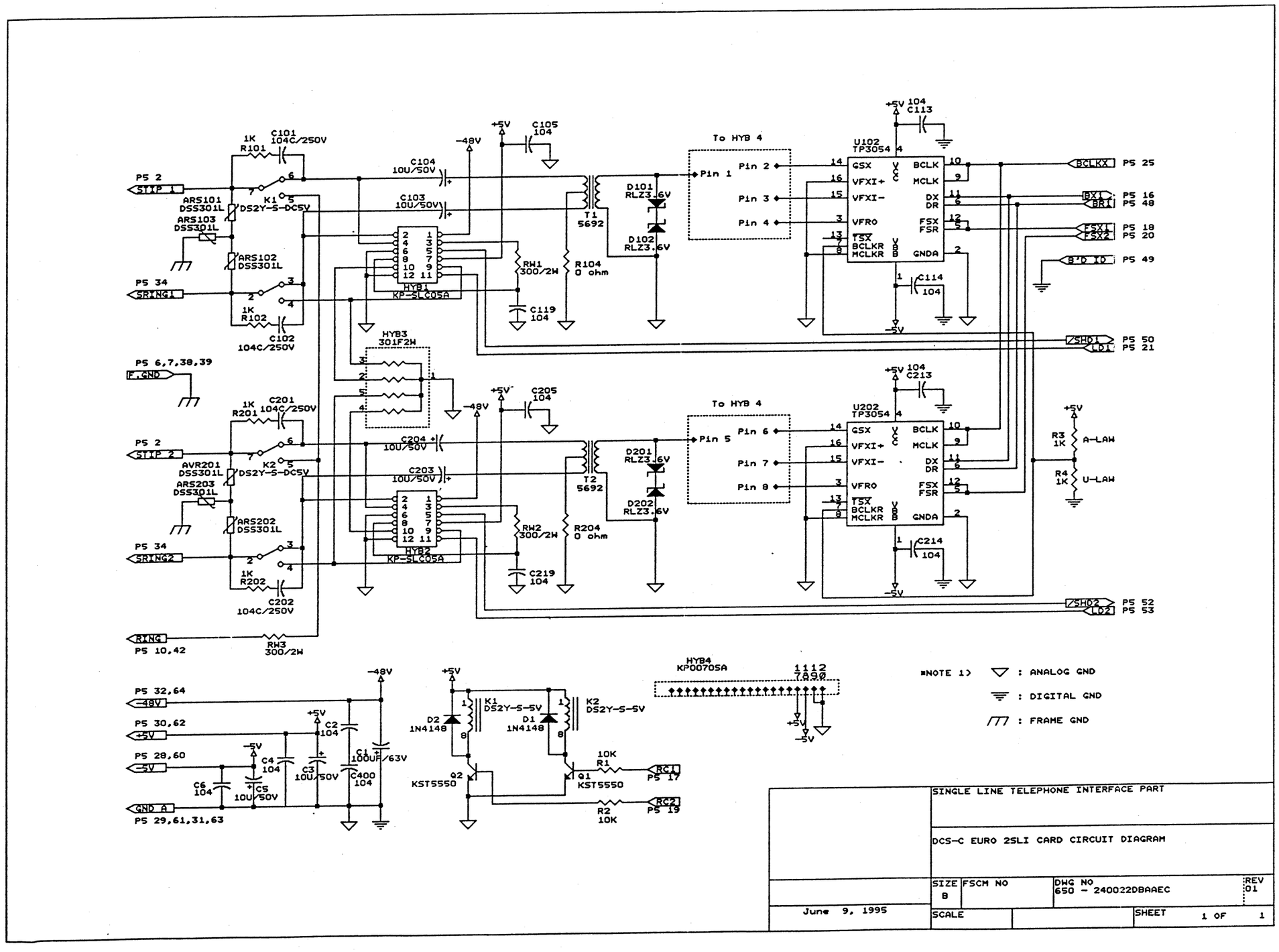

+5
P8 /.PCN12-50S
A1
A3
A5
A7
A9
A11
A13
A15
A17
D1
D3
D5
D7
D9
D11
D13
D15
/MWR LDS
/MWR UDS
RAM1
/RTC
LED
A2
A4
A6
A8
A10
A12
A14
A16
D0
D2
D4
D6
D8
D10
D12
D14
/RST
/MRD LDS
/MRD UDS
RAM2
/WDT
RAMPACK
CONNECTION


408BASE-6
1995.5.31
P1 /.CHAMP-50S
LRING1
LRING2
CRING3
CRING4
DRING1
DRING2
DRING3
DRING4
DRING5
DRING6
DRING7
DRING8 & SRING3
SRING4
SRING1
SRING2
OPEN8
CLOSE8
BGM1B
PAGE8
TACT1B
TACT2B
TACT3B
TACT4B
BGM2B
LTIP1
LTIP2
CTIP3
CTIP4
DTIP1
DTIP2
DTIP3
DTIP4
DTIP5
DTIP6
DTIP7
DTIP8 & STIP3
STIP4
STIP1
STIP2
OPENA
CLOSEA
BGM1A
PAGEA
TACT1A
TACT2A
TACT3A
TACT4A
BGM2A
50P BASE CHAMP
CONNECTION

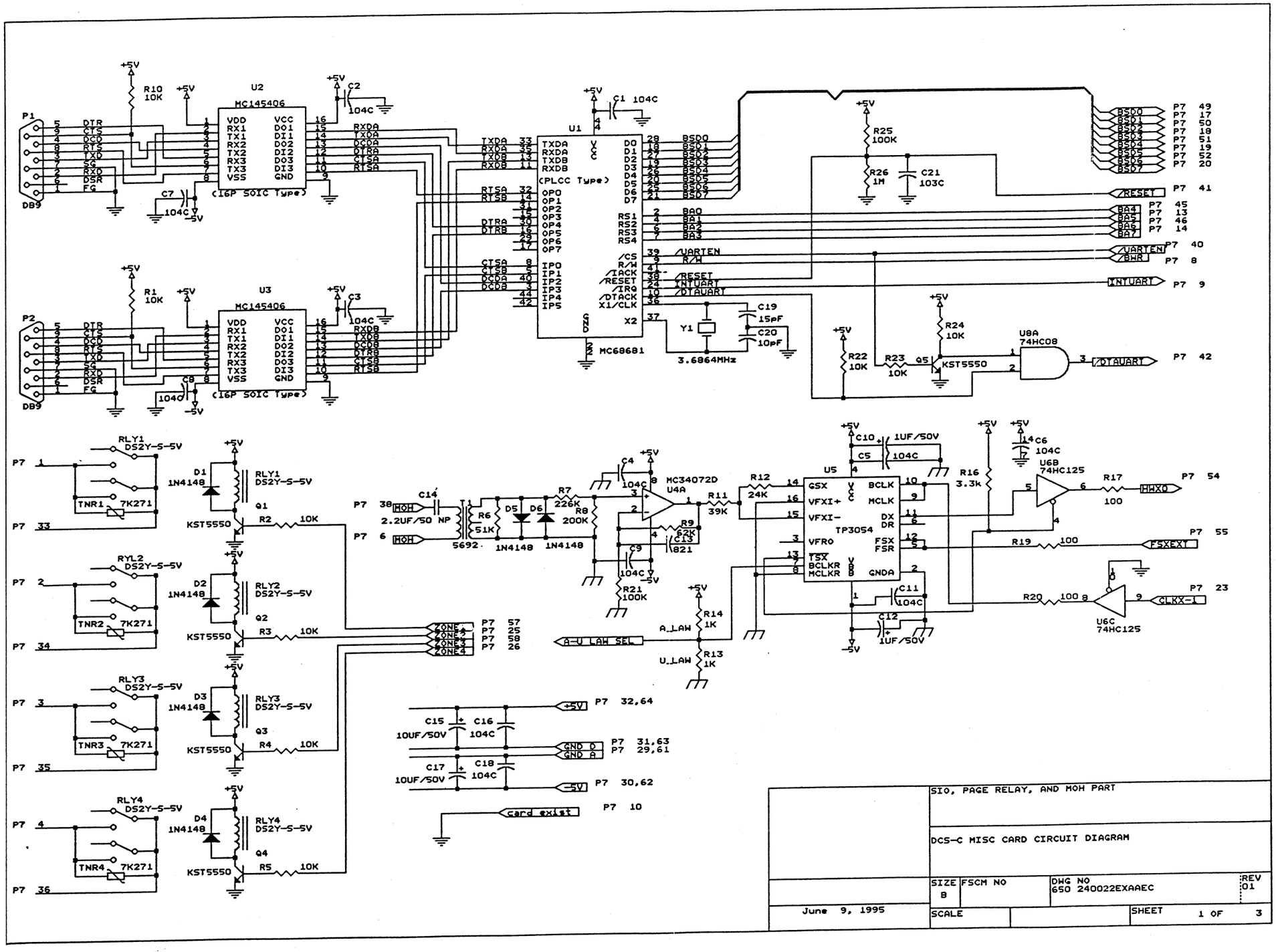

-5V
+5
-48V
D21 /.RLS4003
C136 /.47UF/63V
C146 /.104C
C140 /.104C
D22 /.RLS4003
C135 /.10UF/50V
C138 /.104C
D23 /.RLS4003
C134 /.10UF/50V
C139 /.104C
P9 /.5275-05A
L1
L2
1 -5V
2 +5V
3 GND
4 -48V
5 FRAME GND
FGND
POWER
CONNECTION
NOTE)
FRAME GND
DIGITAL GND
ANALOG GND

8-2 RAM Pack

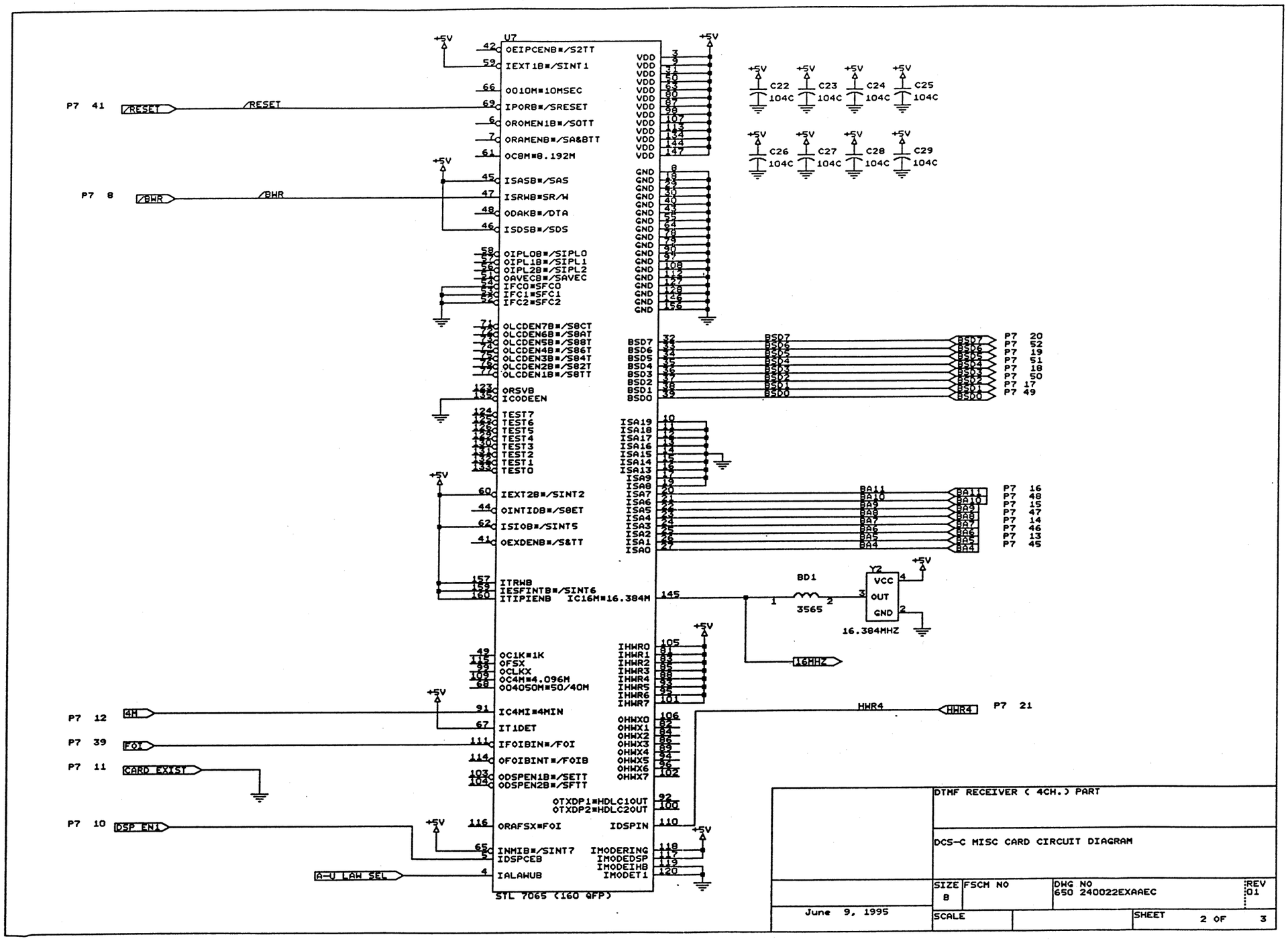

D [0..15]
A [1..17]
681000
U1
U2
U3
U4
(32P SOIC Type)
RTC72423
U5
(24P SOIC Type)
R1
300K
STP.P
/RESET
R4
10K
U6
PBRST
TD
GND
RST
DS1232/DIP
SW RESET
SW2
(TACT)
C4
104C
C5
104C
C6
104C
C7
104C
C8
104C
C9
104C
P8 21 /HWRLDS
P8 47 /HRDLDS
P8 22 /HWRUDS
P8 48 /HRDUDS
P8 46 /RESET
P8 23 /RAM EN1
/RAM EN2
P8 49
P8 24 /RTC EN
/WAT. EN
P8 50
NOTE)
C5,C7,U3,U4:OPTIONAL COMPONENT
D3
1N5819
BACK-UP
D1
1N5819
D2
1N5819
ON
OFF
SW1
SLIDE SW
(ANGLE)
R2
330
R3
10K
C3
10U/50V
BT1
NI-CD/V60R
R5
330
LED1
CPU MONITOR LED
P8 25
MTRLED
P8 1,26
P8 2,27
GND D
10U/50V
C1
C2
104
PIN ASSIGN
P8 1, 26 +5V
P8 2, 27 GND D
P8 28 N.C P8 3 A1
P8 29 A2 P8 4 A3
P8 30 A4 P8 5 A5
P8 31 A6 P8 6 A7
P8 32 A8 P8 7 A9
P8 33 A10 P8 8 A11
P8 34 A12 P8 9 A13
P8 35 A14 P8 10 A15
P8 36 A16 P8 11 A17
P8 37 N.C P8 12 N.C
P8 38 D0 P8 13 D1
P8 39 D2 P8 14 D3
P8 40 D4 P8 15 D5
P8 41 D6 P8 16 D7
P8 42 D8 P8 17 D9
P8 43 D10 P8 18 D11
P8 44 D12 P8 19 D13
P8 45 D14 P8 20 D15
P8 46 /RESET P8 21 /MWRLDS
P8 47 /MRDLDS P8 22 /MWRUDS
P8 48 /MRDUDS P8 23 /RAM EN1
P8 49 /RAM EN2 P8 24 /RTC EN
P8 50 /WAT.EN P8 25 MTRLED
MEMORY & RTC PART
DCS-C RAM CARD CIRCUIT DIAGRAM
SIZE B
FSCM NO
DWG NO 650 240022CAAAEC
REV 01
June 9, 1995
SCALE
SHEET 1 OF 1


P5 2
SIXP 1
ARS101 DSS301L
ARS103 DSS301L
ARS102 DSS301L
K1 DS2Y-S-DC5V
1K R101
C101 104C/250V
1K R102
C102 104C/250V
P5 34
SRING1
C104 10U/50V
C103 10U/50V
HYB1 KP-SLC05A
C105 104
-48V
+5V
T1 5692
RH1 300/2W
R104 0 ohm
C119 104
D101 RLZ3.6V
D102 RLZ3.6V
To HYB 4
Pin 1
Pin 2
Pin 3
Pin 4
U102 TP3054
C113 104
C114 104
BCLKX PS 25
BR1 PS 16
BX1 PS 48
FSX1 PS 18
FSX2 PS 20
B'D ID PS 49
/SHD1 PS 50
LD1 PS 21
HYB3 301F2W
P5 6,7,38,39
F.GND
P5 2
SIXP 2
AVR201 DSS301L
ARS203 DSS301L
ARS202 DSS301L
K2 DS2Y-S-DC5V
1K R201
C201 104C/250V
1K R202
C202 104C/250V
P5 34
SRING2
C204 10U/50V
C203 10U/50V
HYB2 KP-SLC05A
C205 104
T2 5692
RH2 300/2W
R204 0 ohm
C219 104
D201 RLZ3.6V
D202 RLZ3.6V
To HYB 4
Pin 5
Pin 6
Pin 7
Pin 8
U202 TP3054
C213 104
C214 104
R3 1K
A-LAW
R4 1K
U-LAW
/SHD2 P5 52
LD2 P5 53
RING
P5 10,42
RW3 300/2W
P5 32,64
-48V
P5 30,62
+5V
P5 28,60
-5V
GND A
P5 29,61,31,63
C2 104
C1 100UF/63V
C4 104
C3 10U/50V
C400 104
C6 104
C5 10U/50V
D2 1N4148
D1 1N4148
K1 DS2Y-S-5V
K2 DS2Y-S-5V
Q2 KST5550
Q1 KST5550
10K R1
RC1 P5 17
R2 10K
RC2 P5 19
HYB4 KP00705A
1 1 1 2
7 8 9 0
#NOTE 1) : ANALOG GND
: DIGITAL GND
: FRAME GND
SINGLE LINE TELEPHONE INTERFACE PART
DCS-C EURO 2SLI CARD CIRCUIT DIAGRAM
SIZE B
FSCM NO
DWG NO 650 - 240022DBAAEC
REV 01
June 9, 1995
SCALE
SHEET 1 OF 1

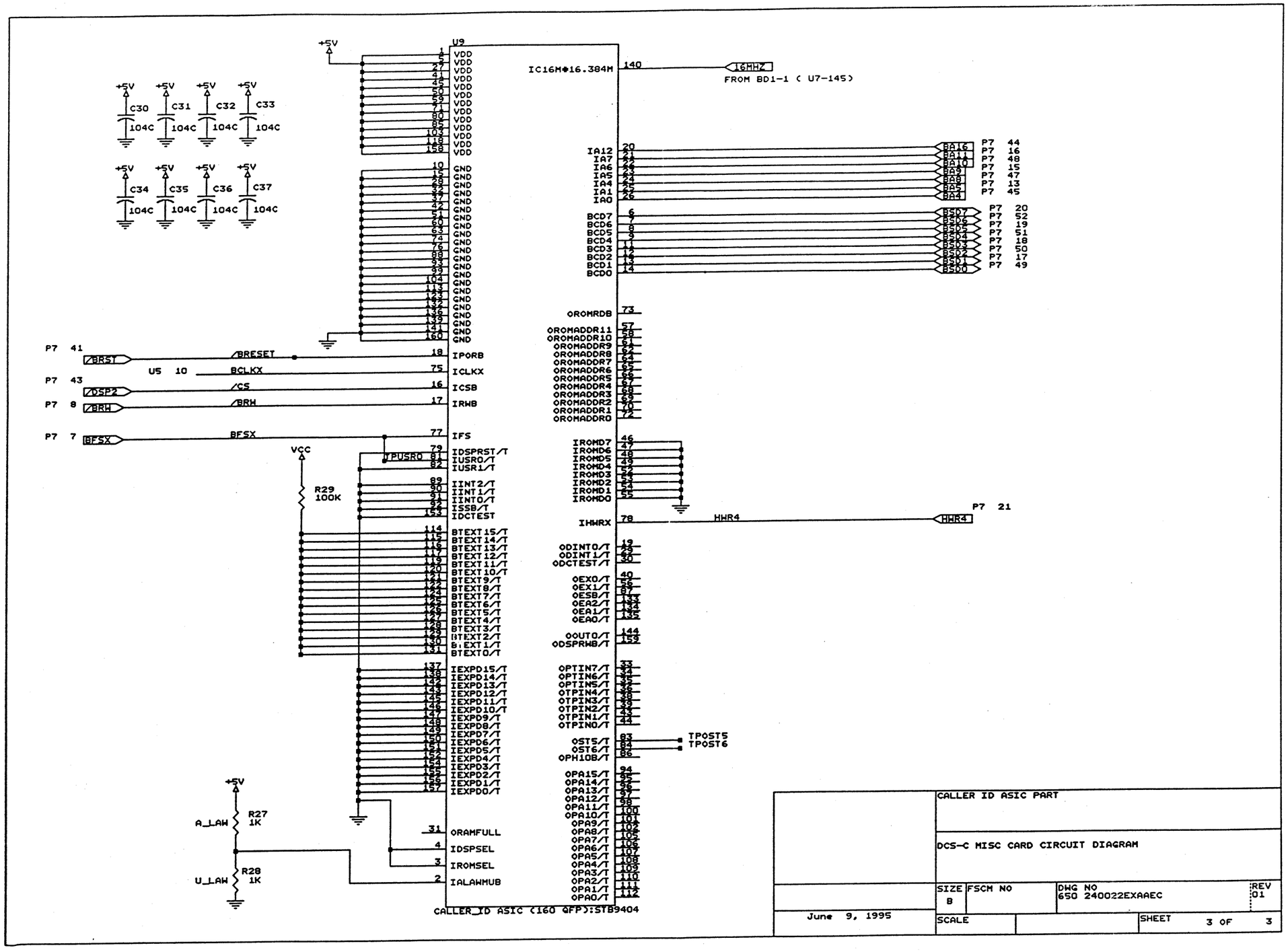
8-4 MISC (1/3)

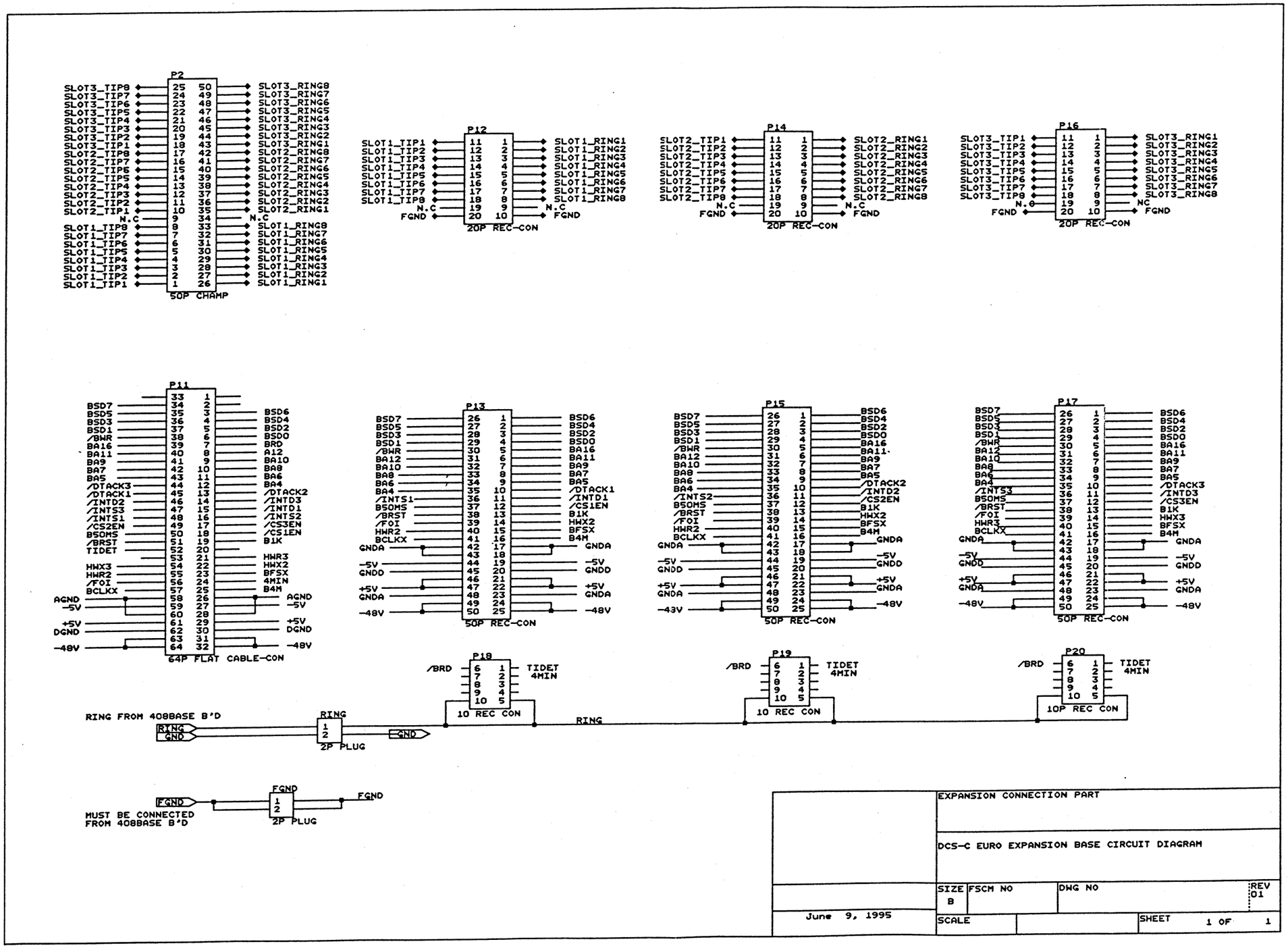

U1
MC68681
(PLCC Type)
Y1
3.6864MHz
U2
MC145406
(16P SOIC Type)
U3
MC145406
(16P SOIC Type)
DB9
P1
P2
U4A
MC34072D
U5
TP3054
U6B
74HC125
U6C
74HC125
U8A
74HC08
Q1
KST5550
Q2
KST5550
Q3
KST5550
Q4
KST5550
RLY1
DS2Y-S-5V
RLY2
DS2Y-S-5V
RLY3
DS2Y-S-5V
RLY4
DS2Y-S-5V
TNR1 7K271
TNR2 7K271
TNR3 7K271
TNR4 7K271
A-U LAW SEL
A_LAW
U_LAW
MOH
2.2UF/50 NP
5692
1N4148
1N4148
1N4148
1N4148
card exist
SIO, PAGE RELAY, AND MOH PART
DCS-C MISC CARD CIRCUIT DIAGRAM
SIZE B
FSCM NO
DWG NO 650 240022EXAAEC
REV 01
June 9, 1995
SCALE
SHEET 1 OF 3

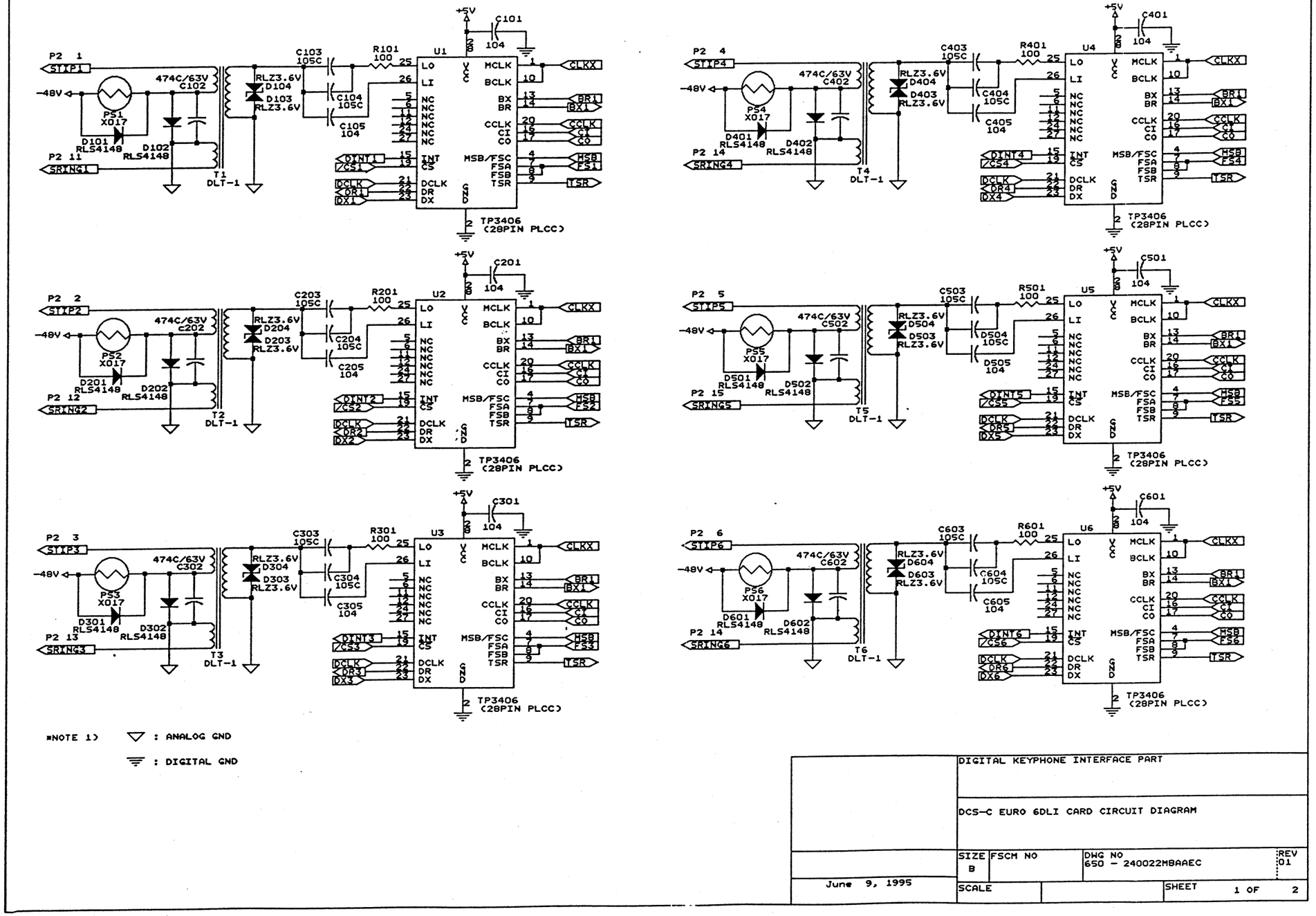
MISC (2/3)

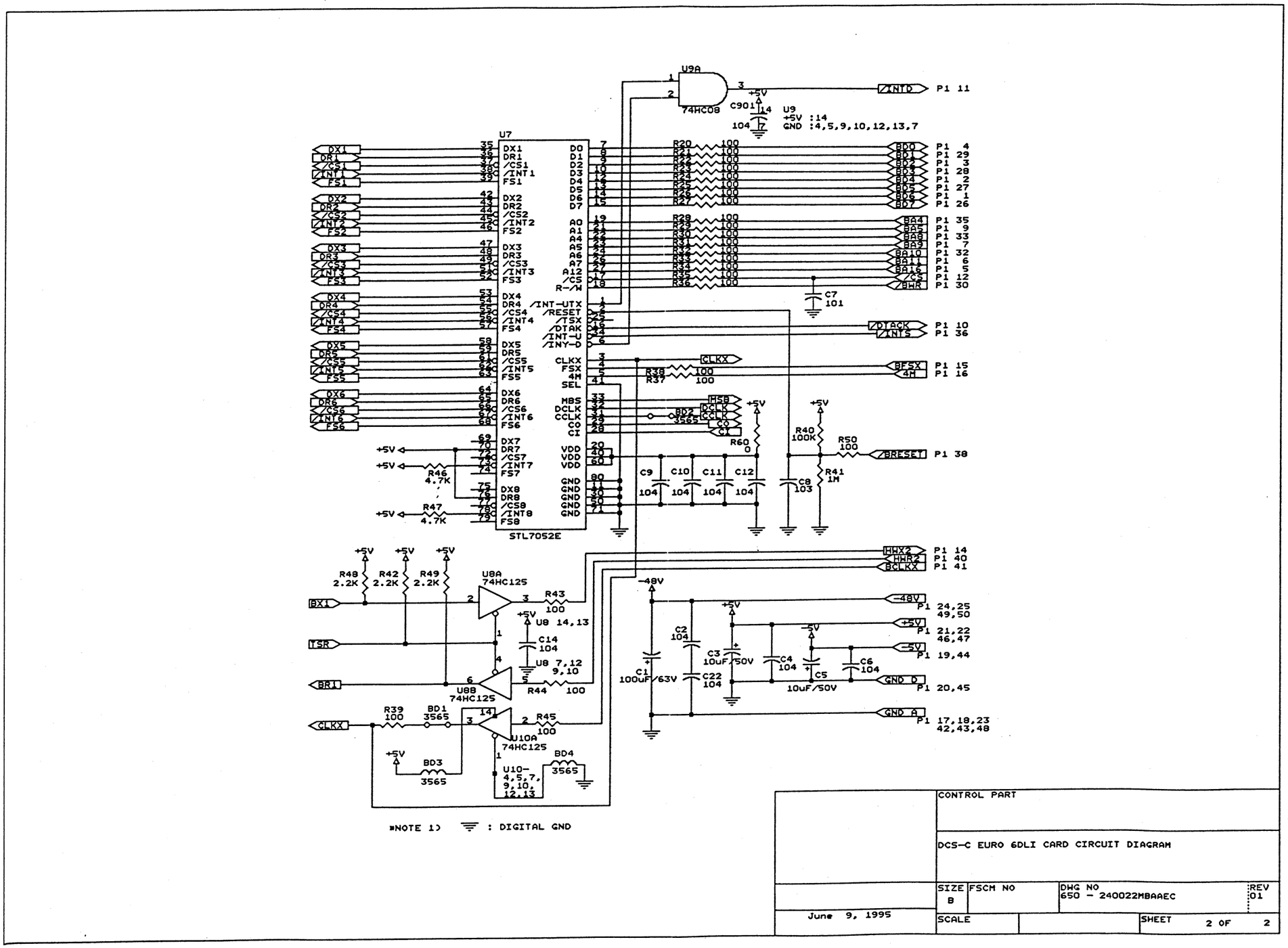

U7
STL 7065 (160 QFP)
0EIPCENB=/S2TT
IEXT1B=/SINT1
0010M=10MSEC
IPORB=/SRESET
0ROMEN1B=/SOTT
0RAMENB=/SA&BTT
0C8M=8.192M
ISASB=/SAS
ISRWB=SR/W
0DAKB=/DTA
ISDSB=/SDS
0IPL0B=/SIPL0
0IPL1B=/SIPL1
0IPL2B=/SIPL2
0AVEC8=/SAVEC
IFC0=SFC0
IFC1=SFC1
IFC2=SFC2
0LCDEN7B=/S8CT
0LCDEN6B=/S8AT
0LCDEN5B=/S88T
0LCDEN4B=/S86T
0LCDEN3B=/S84T
0LCDEN2B=/S82T
0LCDEN1B=/S8TT
0RSVB
ICODEEN
TEST7
TEST6
TEST5
TEST4
TEST3
TEST2
TEST1
TEST0
IEXT2B=/SINT2
0INTIDB=/S8ET
ISI0B=/SINT5
0EXDENB=/S&TT
ITRWB
IESFINTB=/SINT6
ITIPIENB
IC16M=16.384M
0C1K=1K
0FSX
0CLKX
0C4M=4.096M
0040S0M=50/40M
IC4MI=4MIN
IT1DET
IF0IBIN=/F0I
0F0IBINT=/F0IB
0DSPEN1B=/SETT
0DSPEN2B=/SFTT
0TXDP1=HDLC10UT
0TXDP2=HDLC20UT
0RAFSX=F0I
IDSPIN
INMIB=/SINT7
IDSPCEB
IALAWUB
IMODERING
IMODEDSP
IMODEIHB
IMODET1
IHWR0
IHWR1
IHWR2
IHWR3
IHWR4
IHWR5
IHWR6
IHWR7
0HWX0
0HWX1
0HWX2
0HWX3
0HWX4
0HWX5
0HWX6
0HWX7
VDD
GND
BSD7
BSD6
BSD5
BSD4
BSD3
BSD2
BSD1
BSD0
ISA19
ISA18
ISA17
ISA16
ISA15
ISA14
ISA13
ISA9
ISA8
ISA7
ISA6
ISA5
ISA4
ISA3
ISA2
ISA1
ISA0
BA11
BA10
BA9
BA8
BA7
BA6
BA5
BA4
+5V
C22 104C
C23 104C
C24 104C
C25 104C
C26 104C
C27 104C
C28 104C
C29 104C
BD1
3565
Y2
VCC
OUT
GND
16.384MHZ
16MHZ
HWR4
P7 41 /RESET
P7 8 /BWR
P7 12 4H
P7 39 F0I
P7 11 CARD EXIST
P7 10 DSP ENI
A-U LAW SEL
P7 20
P7 52
P7 19
P7 51
P7 18
P7 50
P7 17
P7 49
P7 16
P7 48
P7 15
P7 47
P7 14
P7 46
P7 13
P7 45
P7 21
DTMF RECEIVER (4CH.) PART
DCS-C MISC CARD CIRCUIT DIAGRAM
SIZE B
FSCM NO
DWG NO 650 240022EXAAEC
REV 01
June 9, 1995
SCALE
SHEET 2 OF 3

MISC (3/3)

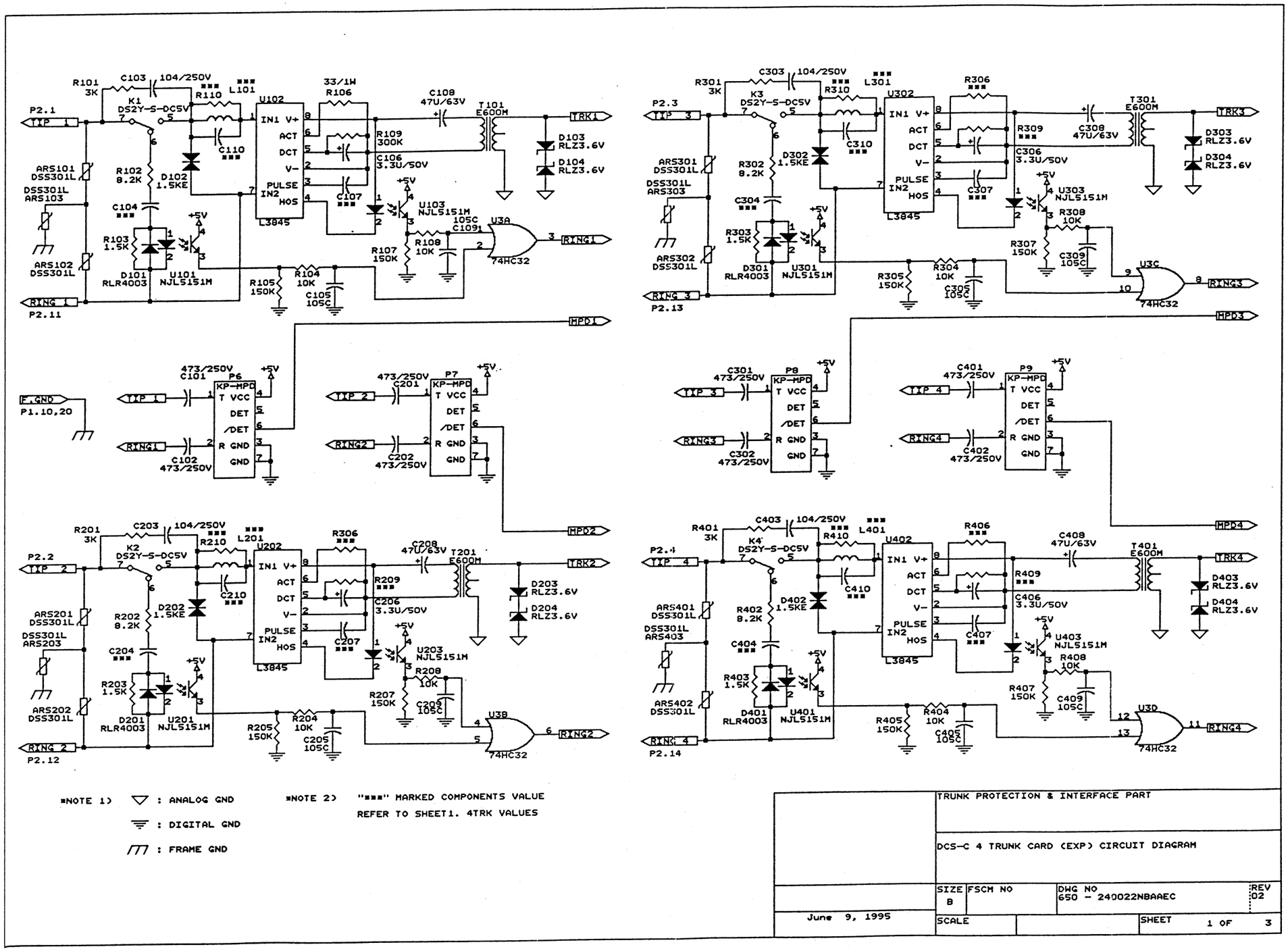

+5V
C30 104C
C31 104C
C32 104C
C33 104C
C34 104C
C35 104C
C36 104C
C37 104C
U9
VDD
GND
IC16M*16.384M
16MHZ
FROM BD1-1 (U7-145)
IA12
IA7
IA6
IA5
IA4
IA1
IA0
BA16
BA11
BA10
BA9
BA8
BA5
BA4
BCD7
BCD6
BCD5
BCD4
BCD3
BCD2
BCD1
BCD0
BSD7
BSD6
BSD5
BSD4
BSD3
BSD2
BSD1
BSD0
P7
OROMRDB
OROMADDR11
OROMADDR10
OROMADDR9
OROMADDR8
OROMADDR7
OROMADDR6
OROMADDR5
OROMADDR4
OROMADDR3
OROMADDR2
OROMADDR1
OROMADDR0
IROMD7
IROMD6
IROMD5
IROMD4
IROMD3
IROMD2
IROMD1
IROMD0
IHWRX
HWR4
ODINT0/T
ODINT1/T
ODCTEST/T
OEX0/T
OEX1/T
OESB/T
OEA2/T
OEA1/T
OEA0/T
OOUT0/T
ODSPRWB/T
OPTIN7/T
OPTIN6/T
OPTIN5/T
OPTIN4/T
OPTIN3/T
OPTIN2/T
OPTIN1/T
OPTIN0/T
OST5/T
OST6/T
OPH10B/T
TPOST5
TPOST6
OPA15/T
OPA14/T
OPA13/T
OPA12/T
OPA11/T
OPA10/T
OPA9/T
OPA8/T
OPA7/T
OPA6/T
OPA5/T
OPA4/T
OPA3/T
OPA2/T
OPA1/T
OPA0/T
/BRST
BRESET
IPORB
U5 10
BCLKX
ICLKX
/DSP2
/CS
ICSB
/BRW
IRWB
BFSX
IFS
VCC
R29 100K
/PUSRO
IDSPRST/T
IUSRO/T
IUSR1/T
IINT2/T
IINT1/T
IINT0/T
ISSB/T
IDCTEST
BTEXT15/T
BTEXT14/T
BTEXT13/T
BTEXT12/T
BTEXT11/T
BTEXT10/T
BTEXT9/T
BTEXT8/T
BTEXT7/T
BTEXT6/T
BTEXT5/T
BTEXT4/T
BTEXT3/T
BTEXT2/T
BTEXT1/T
BTEXT0/T
IEXPD15/T
IEXPD14/T
IEXPD13/T
IEXPD12/T
IEXPD11/T
IEXPD10/T
IEXPD9/T
IEXPD8/T
IEXPD7/T
IEXPD6/T
IEXPD5/T
IEXPD4/T
IEXPD3/T
IEXPD2/T
IEXPD1/T
IEXPD0/T
R27 1K
A_LAW
R28 1K
U_LAW
ORAMFULL
IDSPSEL
IROMSEL
IALAWMUB
CALLER_ID ASIC (160 QFP):STB9404
CALLER ID ASIC PART
DCS-C MISC CARD CIRCUIT DIAGRAM
June 9, 1995
SIZE B
FSCM NO
DWG NO 650 240022EXAAEC
REV 01
SCALE
SHEET 3 OF 3


P2
SLOT3_TIP8 25 50 SLOT3_RING8
SLOT3_TIP7 24 49 SLOT3_RING7
SLOT3_TIP6 23 48 SLOT3_RING6
SLOT3_TIP5 22 47 SLOT3_RING5
SLOT3_TIP4 21 46 SLOT3_RING4
SLOT3_TIP3 20 45 SLOT3_RING3
SLOT3_TIP2 19 44 SLOT3_RING2
SLOT3_TIP1 18 43 SLOT3_RING1
SLOT2_TIP8 17 42 SLOT2_RING8
SLOT2_TIP7 16 41 SLOT2_RING7
SLOT2_TIP6 15 40 SLOT2_RING6
SLOT2_TIP5 14 39 SLOT2_RING5
SLOT2_TIP4 13 38 SLOT2_RING4
SLOT2_TIP3 12 37 SLOT2_RING3
SLOT2_TIP2 11 36 SLOT2_RING2
SLOT2_TIP1 10 35 SLOT2_RING1
N.C 9 34 N.C
SLOT1_TIP8 8 33 SLOT1_RING8
SLOT1_TIP7 7 32 SLOT1_RING7
SLOT1_TIP6 6 31 SLOT1_RING6
SLOT1_TIP5 5 30 SLOT1_RING5
SLOT1_TIP4 4 29 SLOT1_RING4
SLOT1_TIP3 3 28 SLOT1_RING3
SLOT1_TIP2 2 27 SLOT1_RING2
SLOT1_TIP1 1 26 SLOT1_RING1
50P CHAMP
P12
SLOT1_TIP1 11 1 SLOT1_RING1
SLOT1_TIP2 12 2 SLOT1_RING2
SLOT1_TIP3 13 3 SLOT1_RING3
SLOT1_TIP4 14 4 SLOT1_RING4
SLOT1_TIP5 15 5 SLOT1_RING5
SLOT1_TIP6 16 6 SLOT1_RING6
SLOT1_TIP7 17 7 SLOT1_RING7
SLOT1_TIP8 18 8 SLOT1_RING8
N.C 19 9 N.C
FGND 20 10 FGND
20P REC-CON
P14
SLOT2_TIP1 11 1 SLOT2_RING1
SLOT2_TIP2 12 2 SLOT2_RING2
SLOT2_TIP3 13 3 SLOT2_RING3
SLOT2_TIP4 14 4 SLOT2_RING4
SLOT2_TIP5 15 5 SLOT2_RING5
SLOT2_TIP6 16 6 SLOT2_RING6
SLOT2_TIP7 17 7 SLOT2_RING7
SLOT2_TIP8 18 8 SLOT2_RING8
N.C 19 9 N.C
FGND 20 10 FGND
20P REC-CON
P16
SLOT3_TIP1 11 1 SLOT3_RING1
SLOT3_TIP2 12 2 SLOT3_RING2
SLOT3_TIP3 13 3 SLOT3_RING3
SLOT3_TIP4 14 4 SLOT3_RING4
SLOT3_TIP5 15 5 SLOT3_RING5
SLOT3_TIP6 16 6 SLOT3_RING6
SLOT3_TIP7 17 7 SLOT3_RING7
SLOT3_TIP8 18 8 SLOT3_RING8
N.C 19 9 NC
FGND 20 10 FGND
20P REC-CON
P11
BSD7 33 1
BSD5 34 2
BSD3 35 3 BSD6
BSD1 36 4 BSD4
/BWR 37 5 BSD2
BA16 38 6 BSD0
BA11 39 7 BRD
BA9 40 8 A12
BA7 41 9 BA10
BA5 42 10 BA8
/DTACK3 43 11 BA6
/DTACK1 44 12 BA4
/INTD2 45 13 /DTACK2
/INTS3 46 14 /INTD3
/INTS1 47 15 /INTD1
/CS2EN 48 16 /INTS2
B5OMS 49 17 /CS3EN
/BRST 50 18 /CS1EN
TIDET 51 19 B1K
52 20
HWR3 53 21
HWX3 54 22 HWX2
HWR2 55 23 BFSX
/FOI 56 24 4MIN
BCLKX 57 25 B4M
AGND 58 26 AGND
-5V 59 27 -5V
60 28
+5V 61 29 +5V
DGND 62 30 DGND
-48V 63 31 -48V
64 32
64P FLAT CABLE-CON
P13
BSD7 26 1 BSD6
BSD5 27 2 BSD4
BSD3 28 3 BSD2
BSD1 29 4 BSD0
/BWR 30 5 BA16
BA12 31 6 BA11
BA10 32 7 BA9
BA8 33 8 BA7
BA6 34 9 BA5
BA4 35 10 /DTACK1
/INTS1 36 11 /INTD1
B5OMS 37 12 /CS1EN
/BRST 38 13 B1K
/FOI 39 14 HWX2
HWR2 40 15 BFSX
BCLKX 41 16 B4M
GNDA 42 17 GNDA
43 18
-5V 44 19 -5V
GNDD 45 20 GNDD
46 21
+5V 47 22 +5V
GNDA 48 23 GNDA
49 24
-48V 50 25 -48V
50P REC-CON
P15
BSD7 26 1 BSD6
BSD5 27 2 BSD4
BSD3 28 3 BSD2
BSD1 29 4 BSD0
/BWR 30 5 BA16
BA12 31 6 BA11
BA10 32 7 BA9
BA8 33 8 BA7
BA6 34 9 BA5
BA4 35 10 /DTACK2
/INTS2 36 11 /INTD2
B5OMS 37 12 /CS2EN
/BRST 38 13 B1K
/FOI 39 14 HWX2
HWR2 40 15 BFSX
BCLKX 41 16 B4M
GNDA 42 17 GNDA
43 18
-5V 44 19 -5V
GNDD 45 20 GNDD
46 21
+5V 47 22 +5V
GNDA 48 23 GNDA
49 24
-43V 50 25 -48V
50P REC-CON
P17
BSD7 26 1 BSD6
BSD5 27 2 BSD4
BSD3 28 3 BSD2
BSD1 29 4 BSD0
/BWR 30 5 BA16
BA12 31 6 BA11
BA10 32 7 BA9
BA8 33 8 BA7
BA6 34 9 BA5
BA4 35 10 /DTACK3
/INTS3 36 11 /INTD3
B5OMS 37 12 /CS3EN
/BRST 38 13 B1K
/FOI 39 14 HWX3
HWR3 40 15 BFSX
BCLKX 41 16 B4M
GNDA 42 17 GNDA
43 18
-5V 44 19 -5V
GNDD 45 20 GNDD
46 21
+5V 47 22 +5V
GNDA 48 23 GNDA
49 24
-48V 50 25 -48V
50P REC-CON
P18
/BRD 6 1 TIDET
7 2 4MIN
8 3
9 4
10 5
10 REC CON
P19
/BRD 6 1 TIDET
7 2 4MIN
8 3
9 4
10 5
10 REC CON
P20
/BRD 6 1 TIDET
7 2 4MIN
8 3
9 4
10 5
10P REC CON
RING FROM 408BASE B'D
RING
GND
RING
1
2
2P PLUG
GND
RING
FGND
FGND
1
2
2P PLUG
FGND
MUST BE CONNECTED
FROM 408BASE B'D
EXPANSION CONNECTION PART
DCS-C EURO EXPANSION BASE CIRCUIT DIAGRAM
SIZE B
FSCM NO
DWG NO
REV 01
June 9, 1995
SCALE
SHEET 1 OF 1

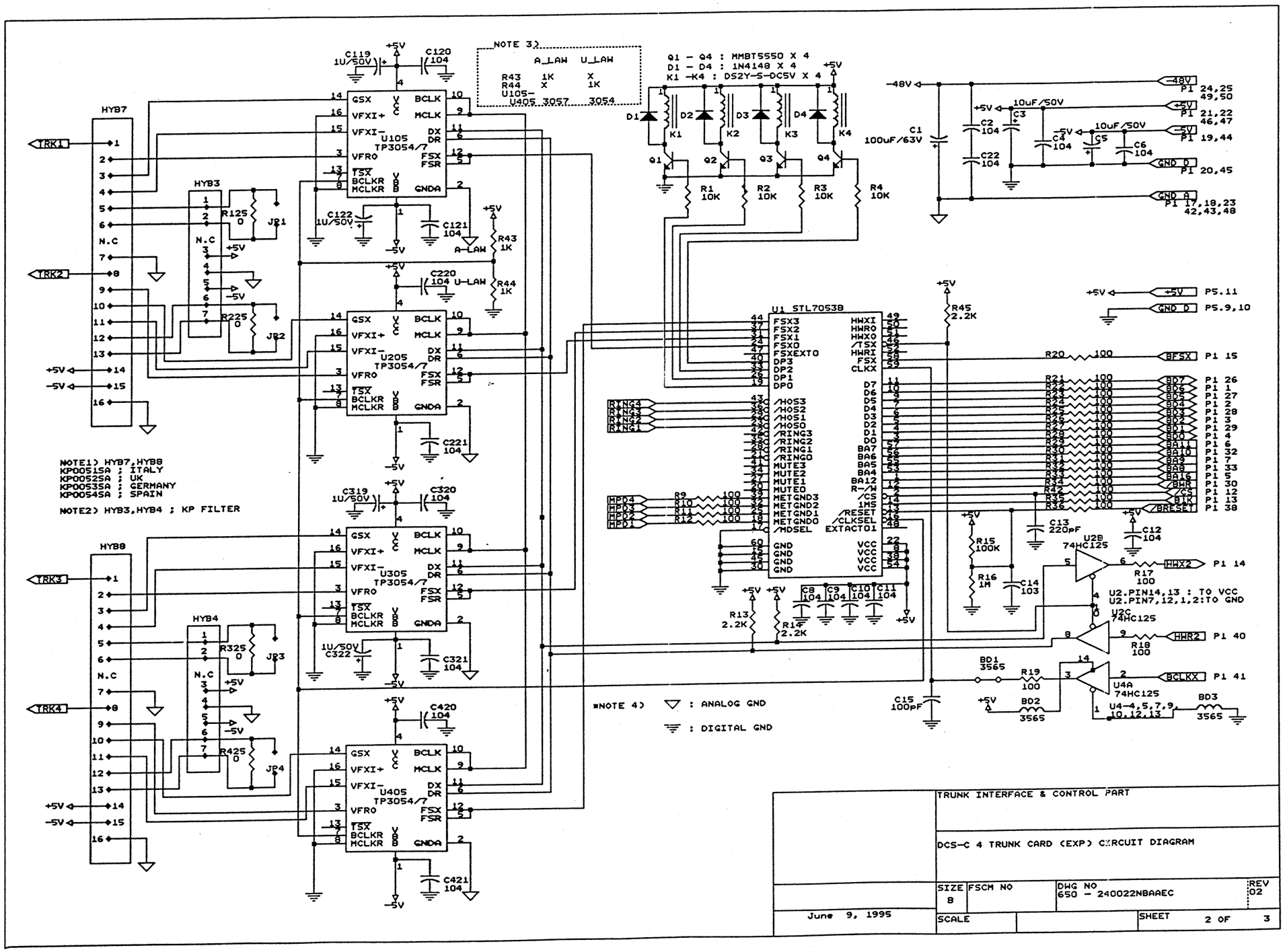

P2 1
STIP1
-48V
474C/63V
C102
PS1
X017
D101
RLS4148
D102
RLS4148
P2 11
SRING1
T1
DLT-1
RLZ3.6V
D104
D103
RLZ3.6V
C103
105C
C104
105C
C105
104
R101
100
U1
+5V
C101
104
LO
LI
NC
INT
/CS1
DCLK
/DR1
/DX1
VCC
MCLK
BCLK
BX
BR
CCLK
CI
CO
MSB/FSC
FSA
FSB
TSR
GND
CLKX
BR1
BX1
MSB
FS1
TSR
TP3406
(28PIN PLCC)
P2 2
STIP2
P2 12
SRING2
C202
PS2
D201
D202
T2
C203
C204
C205
R201
U2
C201
DINT2
/CS2
/DR2
/DX2
P2 3
STIP3
P2 13
SRING3
C302
PS3
D301
D302
T3
C303
C304
C305
R301
U3
C301
DINT3
/CS3
/DR3
/DX3
P2 4
STIP4
P2 14
SRING4
C402
PS4
D401
D402
T4
C403
C404
C405
R401
U4
C401
DINT4
/CS4
/DR4
/DX4
P2 5
STIP5
P2 15
SRING5
C502
PS5
D501
D502
T5
C503
D504
D505
R501
U5
C501
DINT5
/CS5
/DR5
/DX5
P2 6
STIP6
P2 14
SRING6
C602
PS6
D601
D602
T6
C603
C604
C605
R601
U6
C601
DINT6
/CS6
/DR6
/DX6
D404
D403
D504
D503
D604
D603
RLS4148
DLT-1
FS2
FS3
FS4
FS5
FS6
*NOTE 1) : ANALOG GND
: DIGITAL GND
DIGITAL KEYPHONE INTERFACE PART
DCS-C EURO 6DLI CARD CIRCUIT DIAGRAM
SIZE B
FSCM NO
DWG NO 650 - 240022MBAAEC
REV 01
June 9, 1995
SCALE
SHEET 1 OF 2


U9A
74HC08
C901
104
U9
+5V :14
GND :4,5,9,10,12,13,7
/INTD
P1 11
U7
STL7052E
DX1
DR1
/CS1
/INT1
FS1
DX2
DR2
/CS2
/INT2
FS2
DX3
DR3
/CS3
/INT3
FS3
DX4
DR4
/CS4
/INT4
FS4
DX5
DR5
/CS5
/INT5
FS5
DX6
DR6
/CS6
/INT6
FS6
DX7
DR7
/CS7
/INT7
FS7
DX8
DR8
/CS8
/INT8
FS8
DO
D1
D2
D3
D4
D5
D6
D7
AO
A1
A4
A5
A6
A7
A12
/CS
R-/W
/INT-UTX
/RESET
/TSX
/DTAK
/INT-U
/INY-D
CLKX
FSX
4M
SEL
MBS
DCLK
CCLK
CO
CI
VDD
GND
R20
R21
R22
R23
R24
R25
R26
R27
BD0
BD1
BD2
BD3
BD4
BD5
BD6
BD7
P1 4
P1 29
P1 3
P1 28
P1 2
P1 27
P1 1
P1 26
R28
R29
R30
R31
R32
R33
R34
R35
R36
BA4
BA5
BA9
BA8
BA10
BA11
BA16
/CS
BHR
P1 35
P1 9
P1 33
P1 7
P1 32
P1 6
P1 5
P1 12
P1 30
C7
101
/DTACK
/INTS
P1 10
P1 36
CLKX
R38
R37
100
BFSX
4M
P1 15
P1 16
HSB
DCLK
CCLK
CO
CI
BD2
3565
R60
0
+5V
R40
100K
R50
100
/BRESET
P1 38
R41
1M
C8
103
C9
C10
C11
C12
104
R46
4.7K
R47
4.7K
R48
2.2K
R42
2.2K
R49
2.2K
U8A
74HC125
R43
100
U8 14,13
C14
104
U8 7,12
9,10
U8B
74HC125
R44
100
BX1
TSR
BR1
R39
100
BD1
3565
CLKX
R45
100
U10A
74HC125
BD3
3565
BD4
3565
U10-
4,5,7,
9,10,
12,13
HWX2
HWR2
BCLKX
P1 14
P1 40
P1 41
-48V
P1 24,25
49,50
+5V
P1 21,22
46,47
-5V
P1 19,44
GND D
P1 20,45
GND A
P1 17,18,23
42,43,48
C2
104
C1
100uF/63V
C22
104
C3
10uF/50V
C4
104
C5
10uF/50V
C6
104
*NOTE 1) : DIGITAL GND
CONTROL PART
DCS-C EURO 6DLI CARD CIRCUIT DIAGRAM
June 9, 1995
SIZE B
FSCM NO
DWG NO
650 - 240022MBAAEC
REV
01
SCALE
SHEET 2 OF 2

8-7 4TRK (1/3)


R101 3K
C103 104/250V
R110
L101
K1 DS2Y-S-DC5V
P2.1
TIP 1
ARS101 DSS301L
DSS301L ARS103
ARS102 DSS301L
RING 1
P2.11
R102 8.2K
D102 1.5KE
C110
U102
IN1 V+
ACT
DCT
V-
PULSE IN2
HOS
L3845
33/1W R106
R109 300K
C106 3.3U/50V
C107
C108 47U/63V
T101 E600M
D103 RLZ3.6V
D104 RLZ3.6V
TRK1
C104
R103 1.5K
D101 RLR4003
U101 NJL5151M
+5V
U103 NJL5151M
105C
C109
U3A
74HC32
R107 150K
R108 10K
R105 150K
R104 10K
C105 105C
RING1
MPD1
F.GND
P1.10,20
473/250V C101
P6
KP-MPD
T VCC
DET
/DET
R GND
GND
TIP 1
RING1
C102 473/250V
473/250V C201
P7
TIP 2
RING2
C202 473/250V
MPD2
R201 3K
C203 104/250V
R210
L201
K2 DS2Y-S-DC5V
P2.2
TIP 2
ARS201 DSS301L
DSS301L ARS203
ARS202 DSS301L
RING 2
P2.12
R202 8.2K
D202 1.5KE
C210
U202
R306
R209
C206 3.3U/50V
C207
C208 47U/63V
T201 E600M
D203 RLZ3.6V
D204 RLZ3.6V
TRK2
C204
R203 1.5K
D201 RLR4003
U201 NJL5151M
U203 NJL5151M
R208 10K
R207 150K
C209 105C
U3B
74HC32
R205 150K
R204 10K
C205 105C
R301 3K
C303 104/250V
R310
L301
K3 DS2Y-S-DC5V
P2.3
TIP 3
ARS301 DSS301L
DSS301L ARS303
ARS302 DSS301L
RING 3
P2.13
R302 8.2K
D302 1.5KE
C310
U302
R306
R309
C306 3.3U/50V
C307
C308 47U/63V
T301 E600M
D303 RLZ3.6V
D304 RLZ3.6V
TRK3
C304
R303 1.5K
D301 RLR4003
U301 NJL5151M
U303 NJL5151M
R308 10K
R307 150K
C309 105C
U3C
74HC32
R305 150K
R304 10K
C305 105C
MPD3
C301 473/250V
P8
TIP 3
RING3
C302 473/250V
C401 473/250V
P9
TIP 4
RING4
C402 473/250V
MPD4
R401 3K
C403 104/250V
R410
L401
K4 DS2Y-S-DC5V
P2.4
TIP 4
ARS401 DSS301L
DSS301L ARS403
ARS402 DSS301L
RING 4
P2.14
R402 8.2K
D402 1.5KE
C410
U402
R406
R409
C406 3.3U/50V
C407
C408 47U/63V
T401 E600M
D403 RLZ3.6V
D404 RLZ3.6V
TRK4
C404
R403 1.5K
D401 RLR4003
U401 NJL5151M
U403 NJL5151M
R408 10K
R407 150K
C409 105C
U3D
74HC32
R405 150K
R404 10K
C405 105C
RING4
*NOTE 1) : ANALOG GND
: DIGITAL GND
: FRAME GND
*NOTE 2) "***" MARKED COMPONENTS VALUE
REFER TO SHEET1. 4TRK VALUES
TRUNK PROTECTION & INTERFACE PART
DCS-C 4 TRUNK CARD (EXP) CIRCUIT DIAGRAM
June 9, 1995
SIZE B
FSCM NO
DWG NO 650 - 240022NBAAEC
REV 02
SCALE
SHEET 1 OF 3

4TRK (2/3)

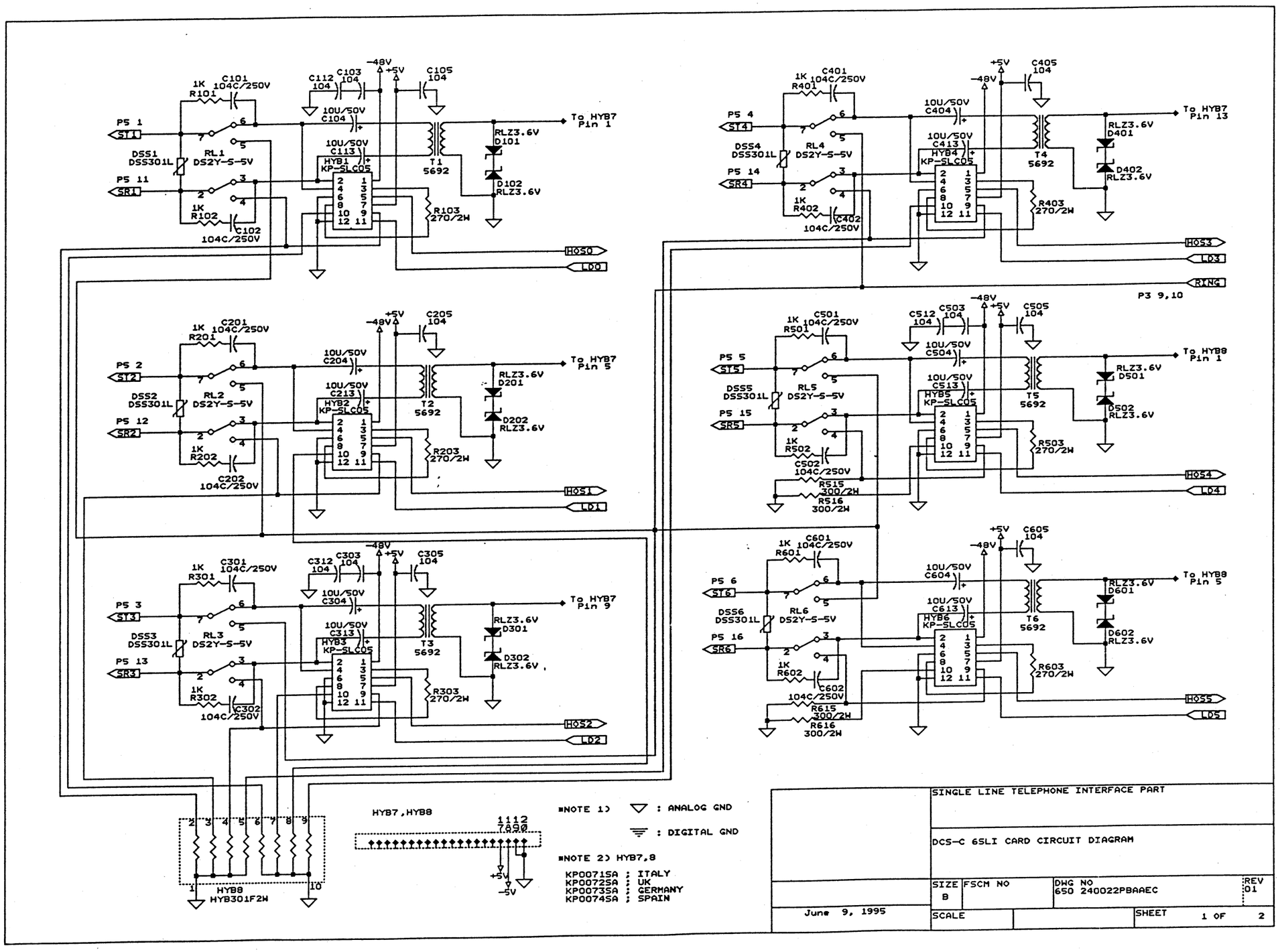

NOTE 3)
A_LAW U_LAW
R43 1K X
R44 X 1K
U105- U405 3057 3054
Q1 - Q4 : MMBT5550 X 4
D1 - D4 : 1N4148 X 4
K1 -K4 : DS2Y-S-DC5V X 4
HYB7
HYB3
HYB8
HYB4
TRK1
TRK2
TRK3
TRK4
N.C
U105 TP3054/7
U205 TP3054/7
U305 TP3054/7
U405 TP3054/7
A-LAW
U-LAW
U1 STL7053B
NOTE1) HYB7,HYB8
KP00515A ; ITALY
KP00525A ; UK
KP00535A ; GERMANY
KP00545A ; SPAIN
NOTE2) HYB3,HYB4 ; KP FILTER
*NOTE 4) : ANALOG GND
: DIGITAL GND
U2.PIN14,13 : TO VCC
U2.PIN7,12,1,2:TO GND
TRUNK INTERFACE & CONTROL PART
DCS-C 4 TRUNK CARD (EXP) CIRCUIT DIAGRAM
SIZE B
FSCM NO
DWG NO 650 - 240022NBAAEC
REV 02
June 9, 1995
SCALE
SHEET 2 OF 3

SHEET 1. COMPONENTS VALUE OF "***" MARKED / 4TRK

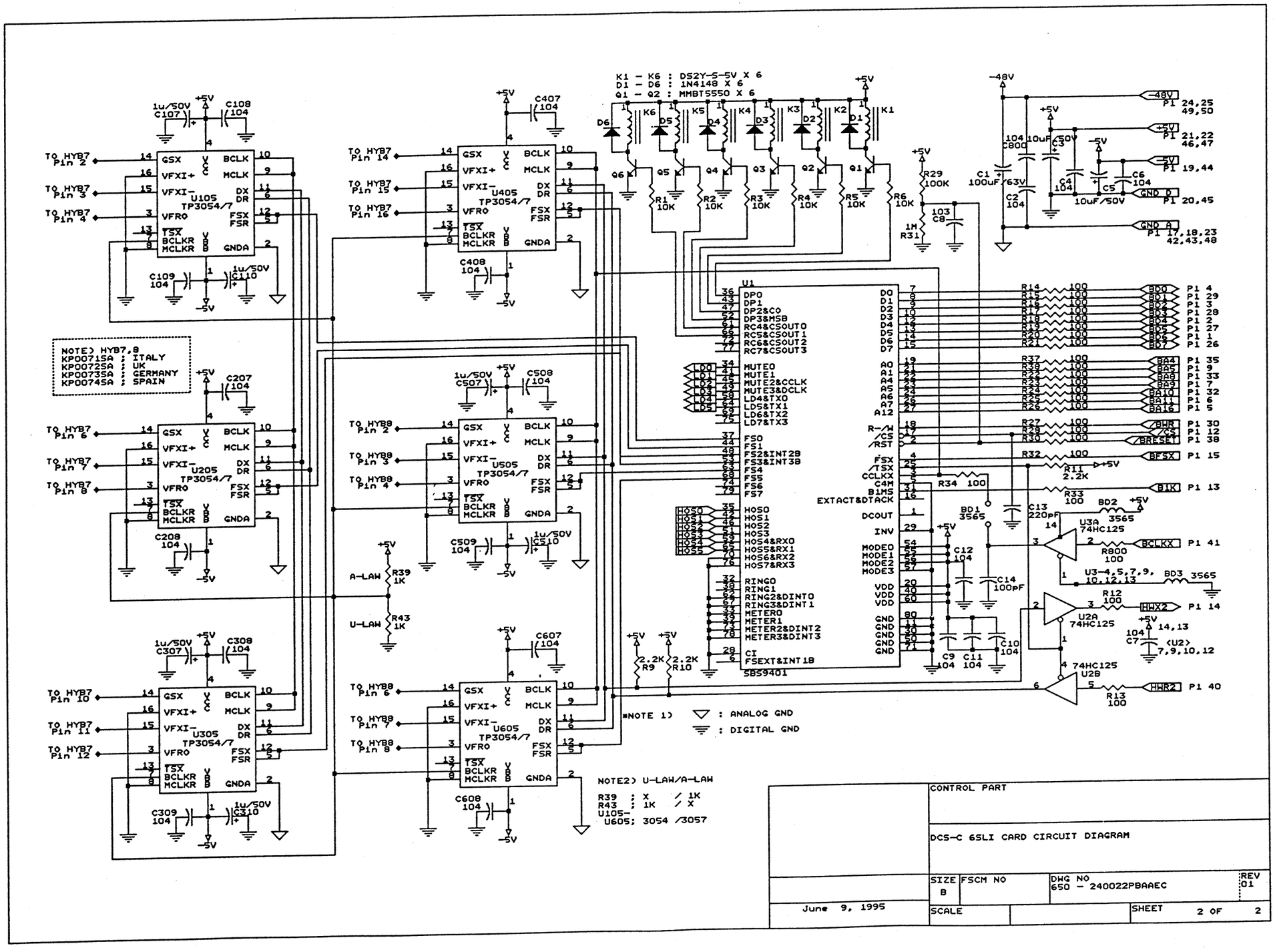
COMPONEN NAME	U.K	GERMANY	ITALY	SPAIN	
R106,R206,R306,R406	33ohm/1W	68ohm/1W	33ohm/1W	33ohm/1W	
R109,R209,R309,R409	——	300K	——	——	
L101,L201,L301,L401	-	4 mH	-	-	
C104,C204,C304,C404	225/250V	824/250V	824/250V	824/250V	
C110,C210,C310,C410	——	223/250V	——	——	
R110,R210,R310,R410	0	-	0	0	
C107,C207,C307,C407	105C	474C	105C	105C	

	SPECIAL COMPONENT VALUES		
	DCS-C 4TRUNK CARD CIRCUIT DIAGRAM		
	SIZE B	FSCM NO	DWG NO / REV 02
June 9, 1995	SCALE		SHEET 3 OF 3

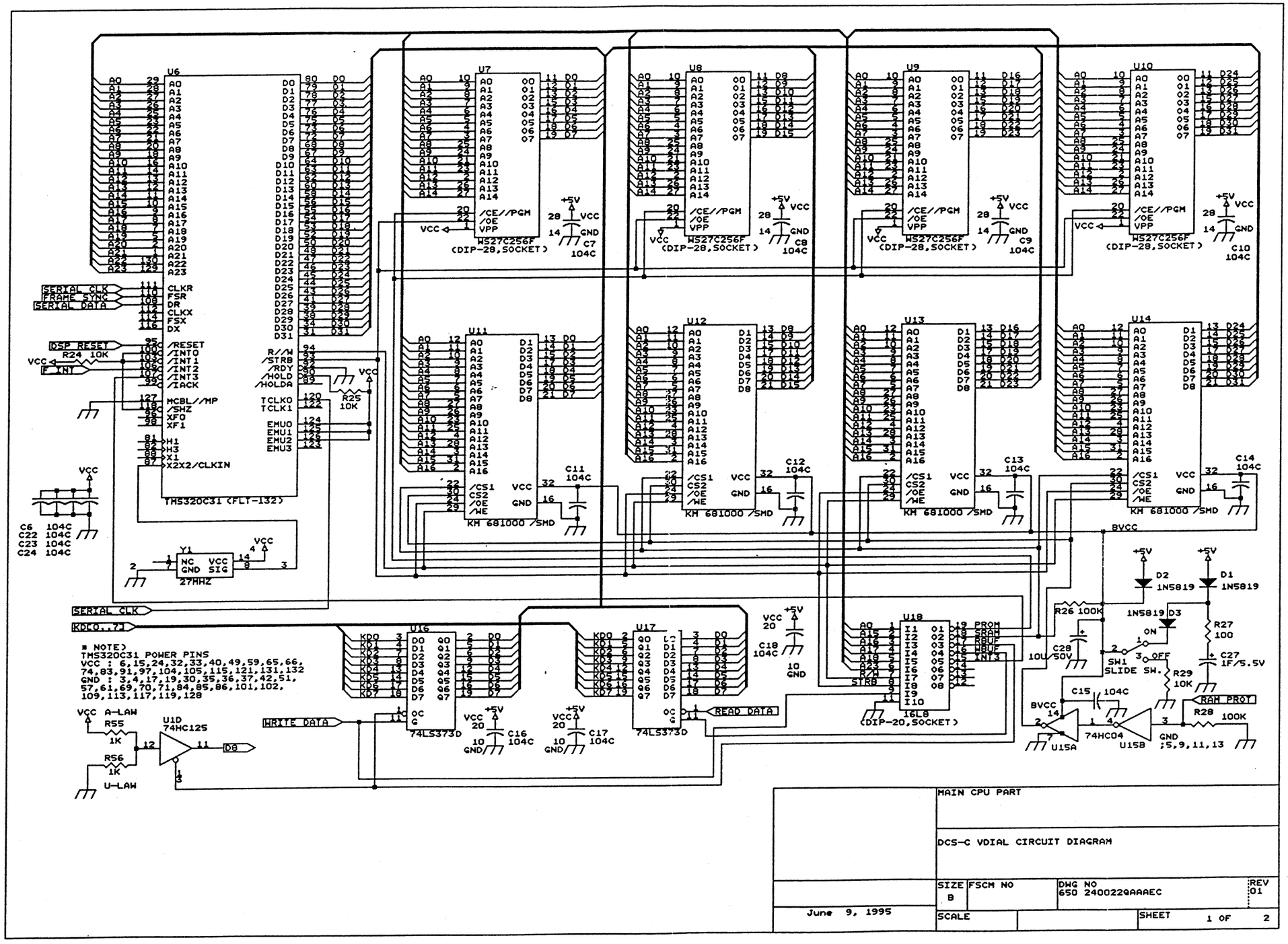
8-8 6SLI (1/2)


PS 1
ST1
PS 11
SR1
DSS1 DSS301L
RL1 DS2Y-S-5V
1K R101
C101 104C/250V
1K R102
C102 104C/250V
C112 104
C103 104
C105 104
10U/50V C104
10U/50V C113
HYB1 KP-SLC05
T1 5692
RLZ3.6V D101
D102 RLZ3.6V
R103 270/2W
To HYB7 Pin 1
HOS0
LD0
PS 2
ST2
PS 12
SR2
DSS2 DSS301L
RL2 DS2Y-S-5V
1K R201
C201 104C/250V
1K R202
C202 104C/250V
C205 104
10U/50V C204
10U/50V C213
HYB2 KP-SLC05
T2 5692
RLZ3.6V D201
D202 RLZ3.6V
R203 270/2W
To HYB7 Pin 5
HOS1
LD1
PS 3
ST3
PS 13
SR3
DSS3 DSS301L
RL3 DS2Y-S-5V
1K R301
C301 104C/250V
1K R302
C302 104C/250V
C312 104
C303 104
C305 104
10U/50V C304
10U/50V C313
HYB3 KP-SLC05
T3 5692
RLZ3.6V D301
D302 RLZ3.6V
R303 270/2W
To HYB7 Pin 9
HOS2
LD2
PS 4
ST4
PS 14
SR4
DSS4 DSS301L
RL4 DS2Y-S-5V
1K R401
C401 104C/250V
1K R402
C402 104C/250V
C405 104
10U/50V C404
10U/50V C413
HYB4 KP-SLC05
T4 5692
RLZ3.6V D401
D402 RLZ3.6V
R403 270/2W
To HYB7 Pin 13
HOS3
LD3
RING
P3 9,10
PS 5
ST5
PS 15
SR5
DSS5 DSS301L
RL5 DS2Y-S-5V
1K R501
C501 104C/250V
1K R502
C502 104C/250V
R515 300/2W
R516 300/2W
C512 104
C503 104
C505 104
10U/50V C504
10U/50V C513
HYB5 KP-SLC05
T5 5692
RLZ3.6V D501
D502 RLZ3.6V
R503 270/2W
To HYB8 Pin 1
HOS4
LD4
PS 6
ST6
PS 16
SR6
DSS6 DSS301L
RL6 DS2Y-S-5V
1K R601
C601 104C/250V
1K R602
C602 104C/250V
R615 300/2W
R616 300/2W
C605 104
10U/50V C604
10U/50V C613
HYB6 KP-SLC05
T6 5692
RLZ3.6V D601
D602 RLZ3.6V
R603 270/2W
To HYB8 Pin 5
HOS5
LD5
HYB8 HYB301F2W
HYB7,HYB8
1112 7090
*NOTE 1) : ANALOG GND
: DIGITAL GND
*NOTE 2) HYB7,8
KP0071SA ; ITALY
KP0072SA ; UK
KP0073SA ; GERMANY
KP0074SA ; SPAIN
SINGLE LINE TELEPHONE INTERFACE PART
DCS-C 6SLI CARD CIRCUIT DIAGRAM
SIZE B
FSCM NO
DWG NO 650 240022PBAAEC
REV 01
June 9, 1995
SCALE
SHEET 1 OF 2

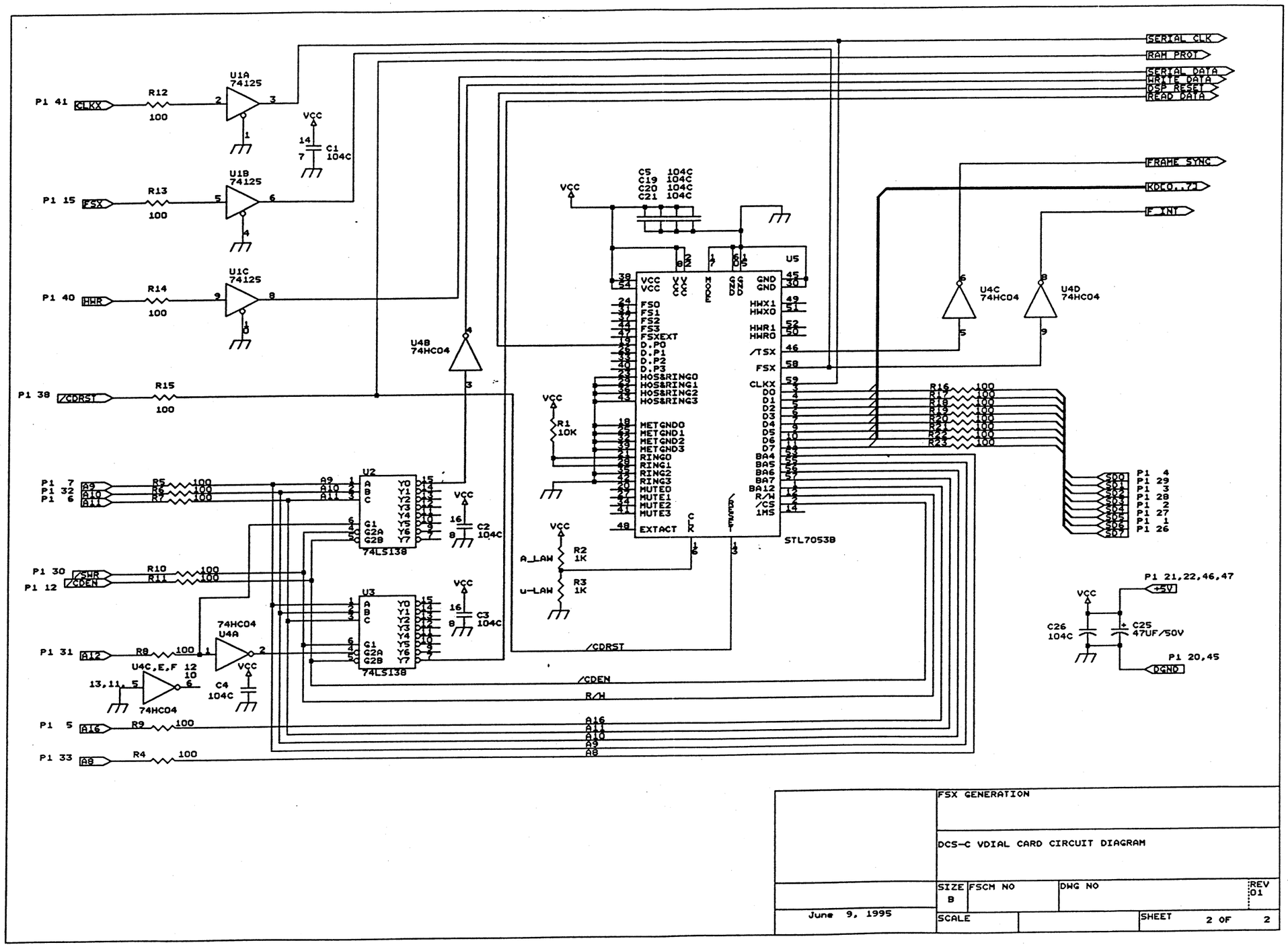
6SLI (2/2)

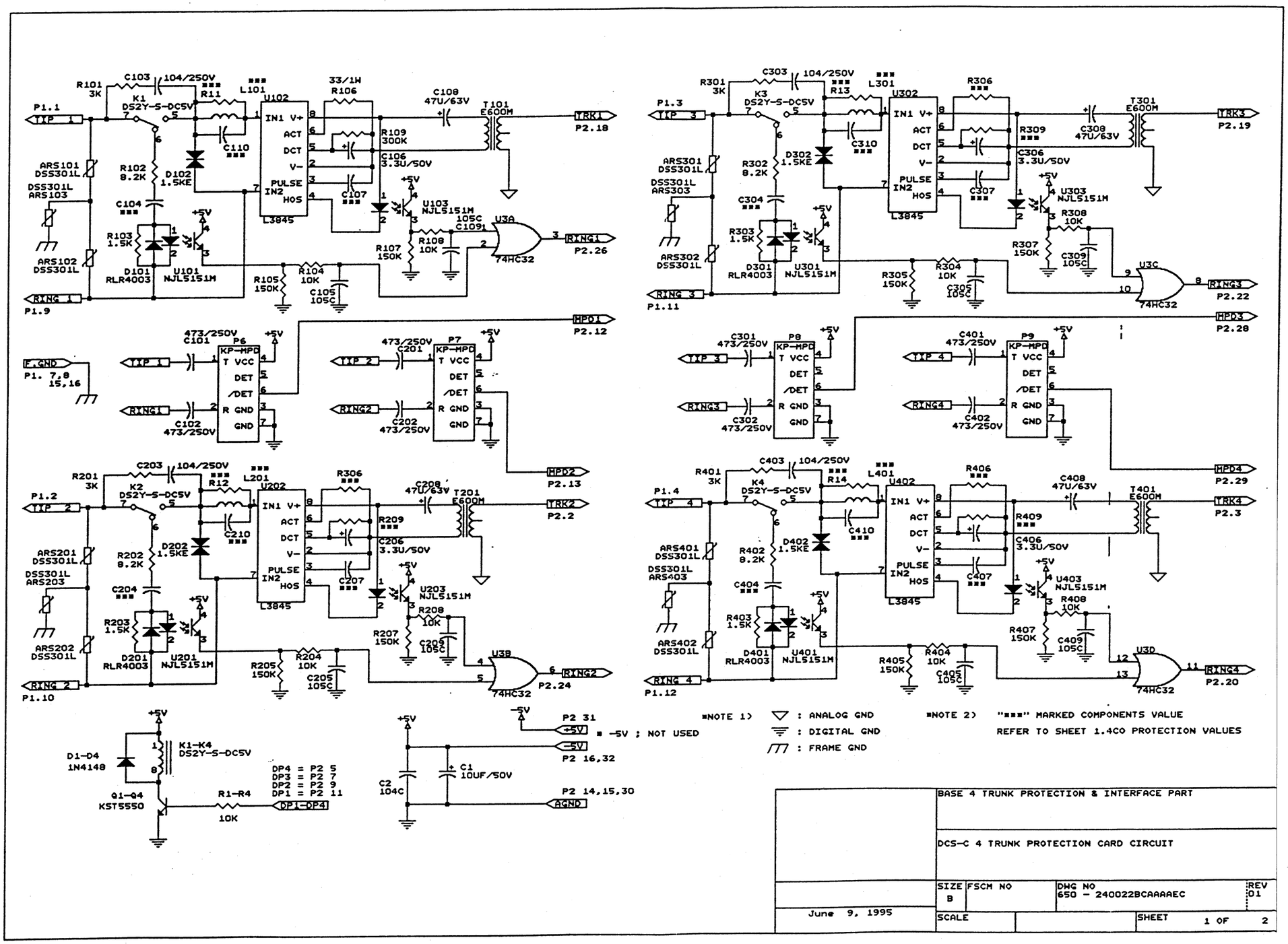

K1 – K6 : DS2Y-S-5V X 6
D1 – D6 : 1N4148 X 6
Q1 – Q2 : MMBT5550 X 6
U105 TP3054/7
U205 TP3054/7
U305 TP3054/7
U405 TP3054/7
U505 TP3054/7
U605 TP3054/7
NOTE) HYB7,8
KP00071SA ; ITALY
KP00072SA ; UK
KP00073SA ; GERMANY
KP00074SA ; SPAIN
*NOTE 1) : ANALOG GND
: DIGITAL GND
NOTE2) U-LAW/A-LAW
R39 ; X / 1K
R43 ; 1K / X
U105-U605; 3054 /3057
SBS9401
CONTROL PART
DCS-C 6SLI CARD CIRCUIT DIAGRAM
June 9, 1995
SIZE B
FSCM NO
DWG NO 650 - 240022PBAAEC
REV 01
SCALE
SHEET 2 OF 2

8-9 VDIAL (1/2)


U6
TMS320C31 (FLT-132)
U7
U8
U9
U10
W527C256F
(DIP-28,SOCKET)
KM 681000 /SMD
U11
U12
U13
U14
U16
U17
74LS373D
U18
16L8
(DIP-20,SOCKET)
U1D
74HC125
U15A
U15B
74HC04
Y1
27MHZ
SERIAL CLK
FRAME SYNC
SERIAL DATA
DSP RESET
R24 10K
F_INT
MCBL/MP
R25 10K
TCLK0
TCLK1
EMU0
EMU1
EMU2
EMU3
R/W
STRB
RDY
HOLD
HOLDA
X2X2/CLKIN
CLKR
FSR
DR
CLKX
FSX
DX
/RESET
/INT0
/INT1
/INT2
/INT3
/IACK
XF0
XF1
H1
H3
X1
KD0..7
WRITE DATA
READ DATA
R55 1K
R56 1K
A-LAW
U-LAW
D8
R26 100K
R27 100
R28 100K
R29 10K
C28 10U/50V
C27 1F/5.5V
SW1 SLIDE SW.
ON
OFF
D1 1N5819
D2 1N5819
D3 1N5819
RAM PROT
BVCC
VCC
+5V
GND
C6 104C
C22 104C
C23 104C
C24 104C
C7 104C
C8 104C
C9 104C
C10 104C
C11 104C
C12 104C
C13 104C
C14 104C
C15 104C
C16 104C
C17 104C
C18 104C
10 GND
■ NOTE)
TMS320C31 POWER PINS
VCC : 6,15,24,32,33,40,49,59,65,66,
74,83,91,97,104,105,115,121,131,132
GND : 3,4,17,19,30,35,36,37,42,51,
57,61,69,70,71,84,85,86,101,102,
109,113,117,119,128
MAIN CPU PART
DCS-C VDIAL CIRCUIT DIAGRAM
SIZE B
FSCM NO
DWG NO 650 2400220AAAEC
REV 01
June 9, 1995
SCALE
SHEET 1 OF 2

VDIAL (2/2)


SERIAL CLK
RAM PROT
SERIAL DATA
WRITE DATA
DSP RESET
READ DATA
FRAME SYNC
KDCO..72
F_INT
P1 41 CLKX
P1 15 FSX
P1 40 HWR
P1 38 /CDRST
P1 7 A9
P1 32 A10
P1 6 A11
P1 30 /SWR
P1 12 /CDEN
P1 31 A12
P1 5 A16
P1 33 A8
R12 100
R13 100
R14 100
R15 100
R5 100
R6 100
R7 100
R10 100
R11 100
R9 100
R4 100
U1A 74125
U1B 74125
U1C 74125
U4B 74HC04
U4A 74HC04
U4C,E,F 74HC04
U4C 74HC04
U4D 74HC04
U2 74LS138
U3 74LS138
U5 STL7053B
C1 104C
C2 104C
C3 104C
C4 104C
C5 104C
C19 104C
C20 104C
C21 104C
C26 104C
C25 47UF/50V
R1 10K
R2 1K
R3 1K
A_LAW
u-LAW
EXTACT
/CDRST
/CDEN
R/W
A16
A11
A10
A9
A8
SDO0 P1 4
SDO1 P1 29
SDO2 P1 3
SDO3 P1 28
SDO4 P1 2
SDO5 P1 27
SDO6 P1 1
SDO7 P1 26
P1 21,22,46,47 +5V
P1 20,45 DGND
FSX GENERATION
DCS-C VDIAL CARD CIRCUIT DIAGRAM
SIZE B
FSCM NO
DWG NO
REV 01
June 9, 1995
SCALE
SHEET 2 OF 2

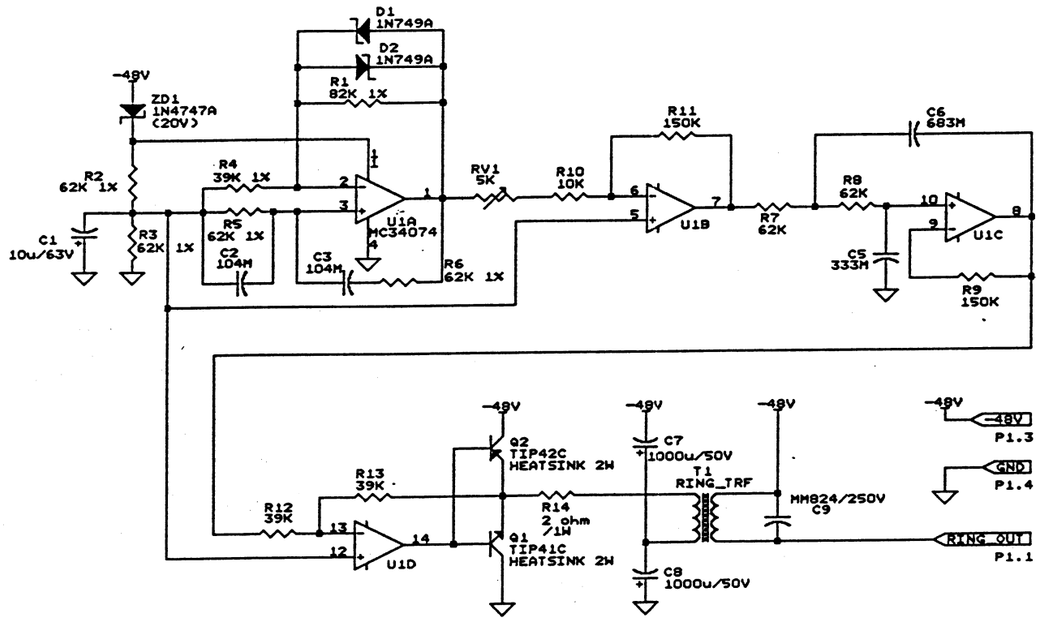

P1.1
TIP 1
R101 3K
C103 104/250V
K1 DS2Y-S-DC5V
R11
L101
U102
IN1 V+
ACT
DCT
V-
PULSE IN2
HOS
L3845
33/1W R106
C108 47U/63V
T101 E600M
TRK1 P2.18
R109 300K
C106 3.3U/50V
C107
C110
ARS101 DSS301L
DSS301L ARS103
ARS102 DSS301L
R102 8.2K
D102 1.5KE
C104
R103 1.5K
D101 RLR4003
U101 NJL5151M
+5V
U103 NJL5151M
105C C109
U3A 74HC32
R107 150K
R108 10K
R105 150K
R104 10K
C105 105C
RING 1
P1.9
RING1 P2.26
HPD1 P2.12
F.GND
P1. 7,8 15,16
473/250V C101
P6 KP-MPD
T VCC
DET
/DET
R GND
GND
TIP 1
RING1
C102 473/250V
473/250V C201
P7 KP-MPD
TIP 2
RING2
C202 473/250V
HPD2 P2.13
C203 104/250V
R201 3K
K2 DS2Y-S-DC5V
R12
L201
U202
R306
C208 47U/63V
T201 E600M
TRK2 P2.2
P1.2
TIP 2
ARS201 DSS301L
DSS301L ARS203
ARS202 DSS301L
R202 8.2K
D202 1.5KE
C210
C204
R203 1.5K
D201 RLR4003
U201 NJL5151M
R209
C206 3.3U/50V
C207
U203 NJL5151M
R208 10K
R207 150K
C209 105C
U3B 74HC32
R205 150K
R204 10K
C205 105C
RING 2
P1.10
RING2 P2.24
R301 3K
C303 104/250V
K3 DS2Y-S-DC5V
R13
L301
U302
R306
T301 E600M
TRK3 P2.19
P1.3
TIP 3
ARS301 DSS301L
DSS301L ARS303
ARS302 DSS301L
R302 8.2K
D302 1.5KE
C310
C304
R303 1.5K
D301 RLR4003
U301 NJL5151M
R309
C308 47U/63V
C306 3.3U/50V
C307
U303 NJL5151M
R308 10K
R307 150K
C309 105C
R305 150K
R304 10K
C305 105C
U3C 74HC32
RING 3
P1.11
RING3 P2.22
HPD3 P2.28
C301 473/250V
P8 KP-MPD
TIP 3
RING3
C302 473/250V
C401 473/250V
P9 KP-MPD
TIP 4
RING4
C402 473/250V
HPD4 P2.29
C403 104/250V
R401 3K
K4 DS2Y-S-DC5V
R14
L401
U402
R406
C408 47U/63V
T401 E600M
TRK4 P2.3
P1.4
TIP 4
ARS401 DSS301L
DSS301L ARS403
ARS402 DSS301L
R402 8.2K
D402 1.5KE
C410
C404
R403 1.5K
D401 RLR4003
U401 NJL5151M
R409
C406 3.3U/50V
C407
U403 NJL5151M
R408 10K
R407 150K
C409 105C
R405 150K
R404 10K
C405 105C
U3D 74HC32
RING 4
P1.12
RING4 P2.20
D1-D4 1N4148
K1-K4 DS2Y-S-DC5V
Q1-Q4 KST5550
R1-R4 10K
DP4 = P2 5
DP3 = P2 7
DP2 = P2 9
DP1 = P2 11
DP1-DP4
C2 104C
C1 10UF/50V
P2 31
+5V
-5V
P2 16,32
AGND
P2 14,15,30
■ -5V ; NOT USED
■NOTE 1) : ANALOG GND
: DIGITAL GND
: FRAME GND
■NOTE 2) "■■■" MARKED COMPONENTS VALUE
REFER TO SHEET 1.4CO PROTECTION VALUES
BASE 4 TRUNK PROTECTION & INTERFACE PART
DCS-C 4 TRUNK PROTECTION CARD CIRCUIT
SIZE B
FSCM NO
DWG NO 650 - 240022BCAAAAEC
REV 01
June 9, 1995
SCALE
SHEET 1 OF 2

SHEET 1. COMPONENTS VALUE OF "***" MARKED/4CO PROTECTION

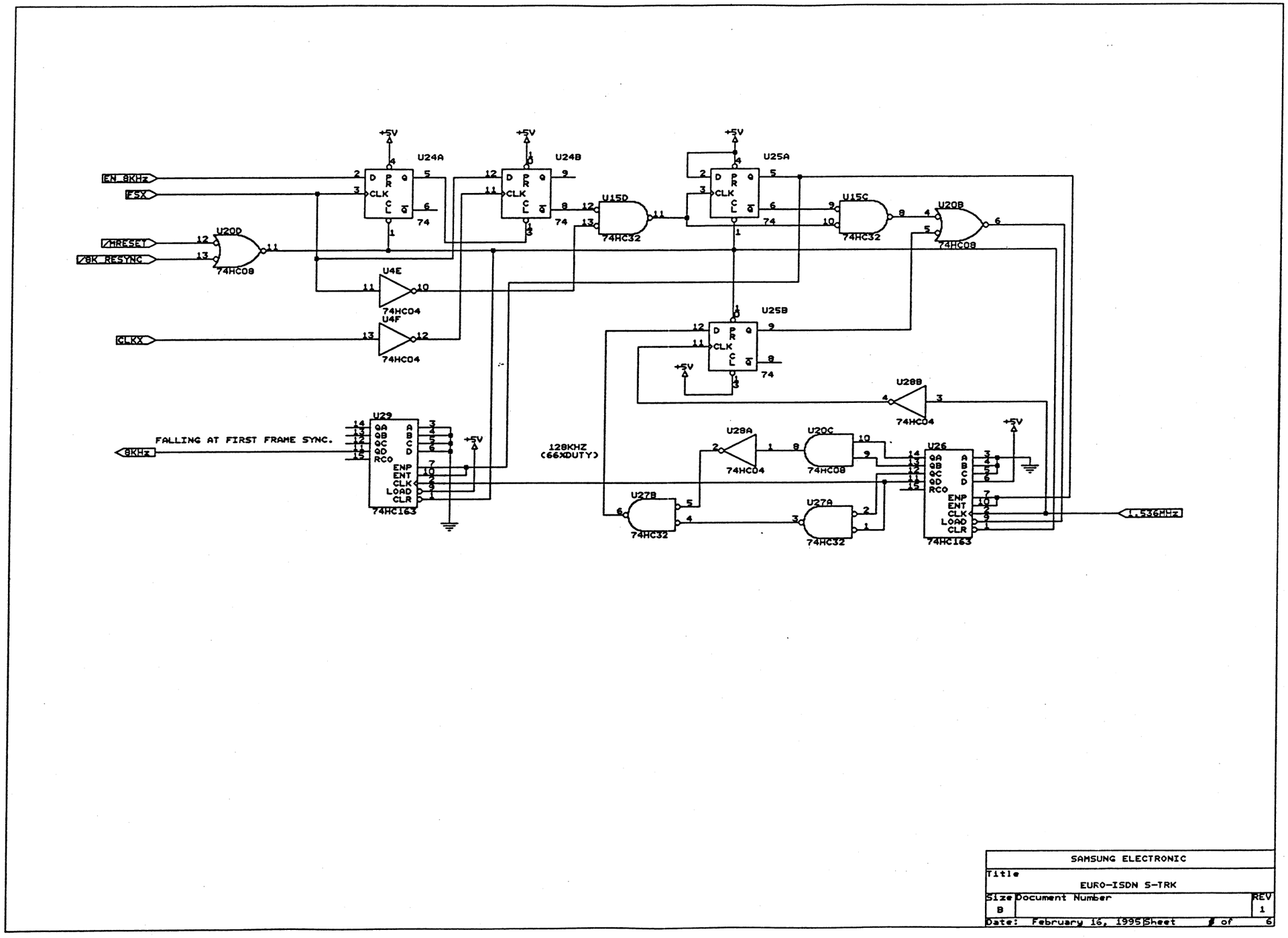
COMPONEN NAME	U.K	GERMANY	ITALY	SPAIN	
R106,R206,R306,R406	33ohm/1W	68ohm/1W	33ohm/1W	33ohm/1W	
R109,R209,R309,R409	——	300K	——	——	
L101,L201,L301,L401	——	4 mH	——	——	
C104,C204,C304,C404	225/250V	824/250V	824/250V	824/250V	
C107,C207,C307,C407	105C	474C	105C	105C	
C110,C210,C310,C410	——	223/250V	——	——	
R11,R12,R13,R14	0	-	0	0	

	BASE 4TRUNK SPECIAL COMPONENT VALUES			
	DCS-C 4TRUNK PROTECTION CARD CIRCUIT			
	SIZE B	FSCM NO	DWG NO 650-240022BCAAEC	REV 01
June 9, 1995	SCALE		SHEET 2 OF 2	

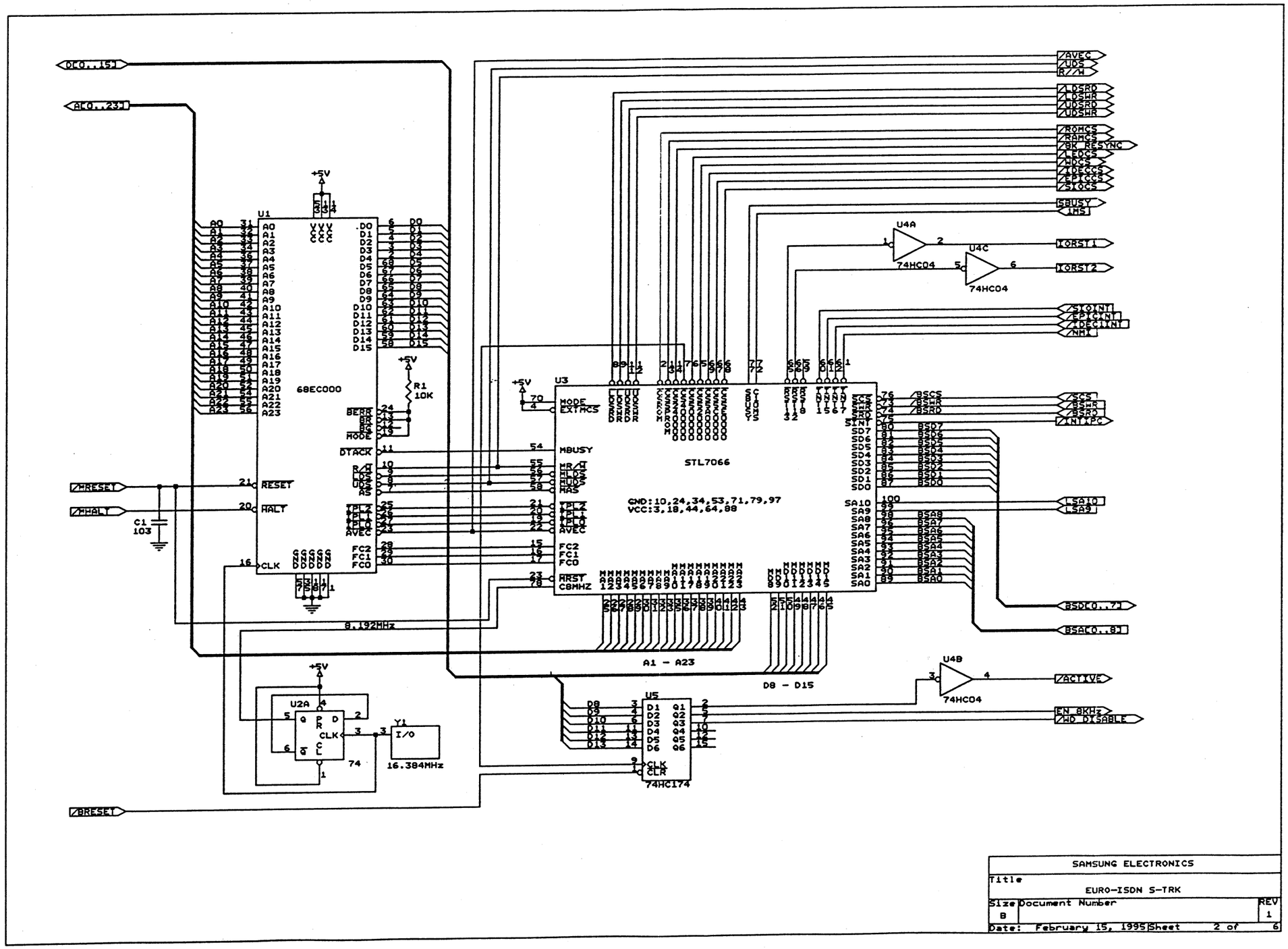
8-11 Ringer Circuit



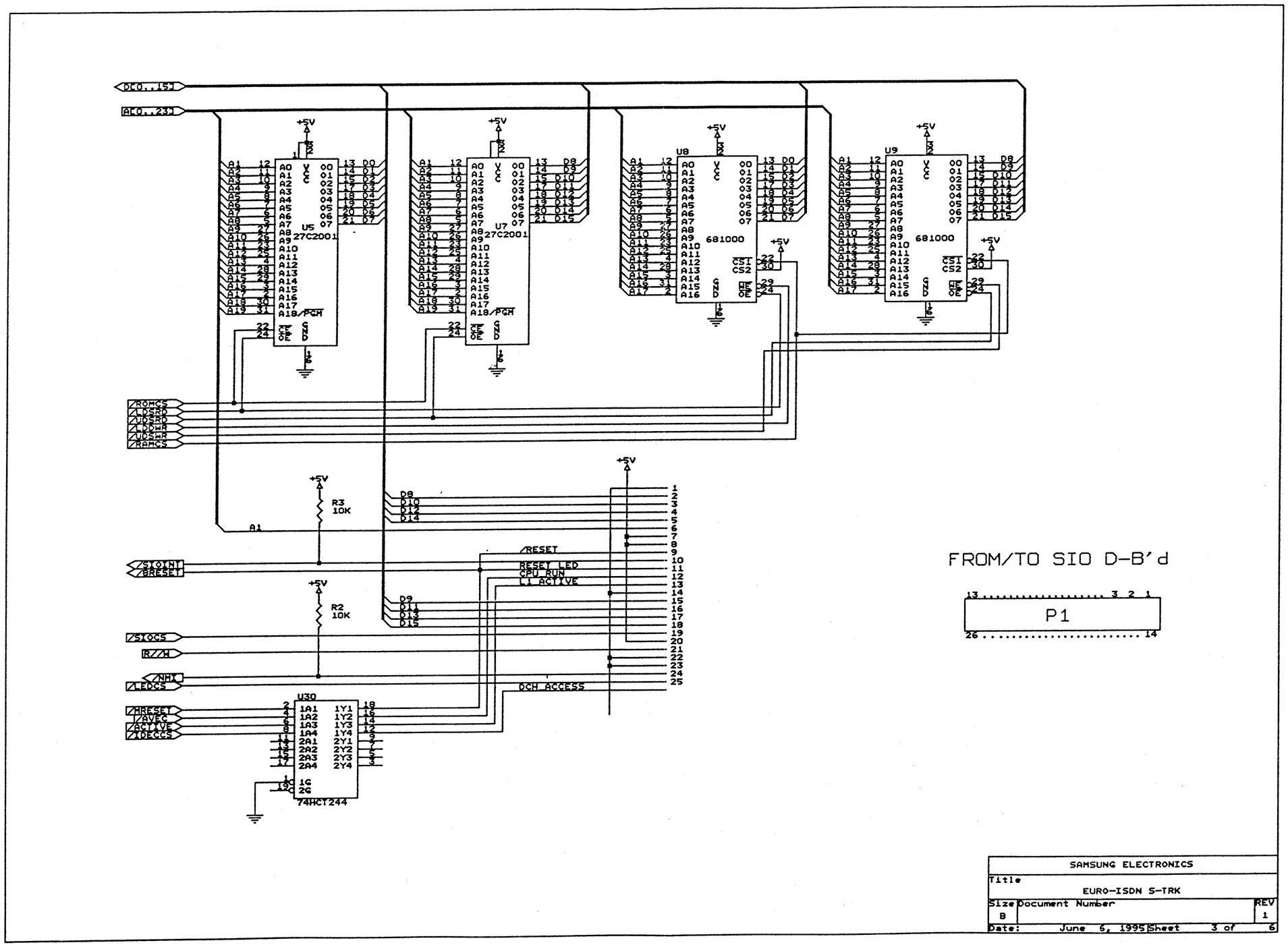
	RINGER PART			
	DCS_C EURO RINGER CIRCUIT DIAGRAM			
	SIZE B	FSCM NO	DWG NO 650 – 240022SAAAEC	REV 01
June 9, 1995	SCALE		SHEET 1 OF 1	


+5V
U24A
U24B
U25A
EN_8KHz
FSX
/MRESET
/8K_RESYNC
U20D
74HC08
U15D
74HC32
U15C
74HC32
U20B
74HC08
U4E
74HC04
U4F
74HC04
CLKX
U25B
74
U28B
74HC04
U29
FALLING AT FIRST FRAME SYNC.
8KHz
74HC163
128KHZ
(66%DUTY)
U28A
74HC04
U20C
74HC08
U27B
74HC32
U27A
74HC32
U26
74HC163
1.536MHz
SAMSUNG ELECTRONIC
Title
EURO-ISDN S-TRK
Size B
Document Number
REV 1
Date: February 16, 1995
Sheet # of 6

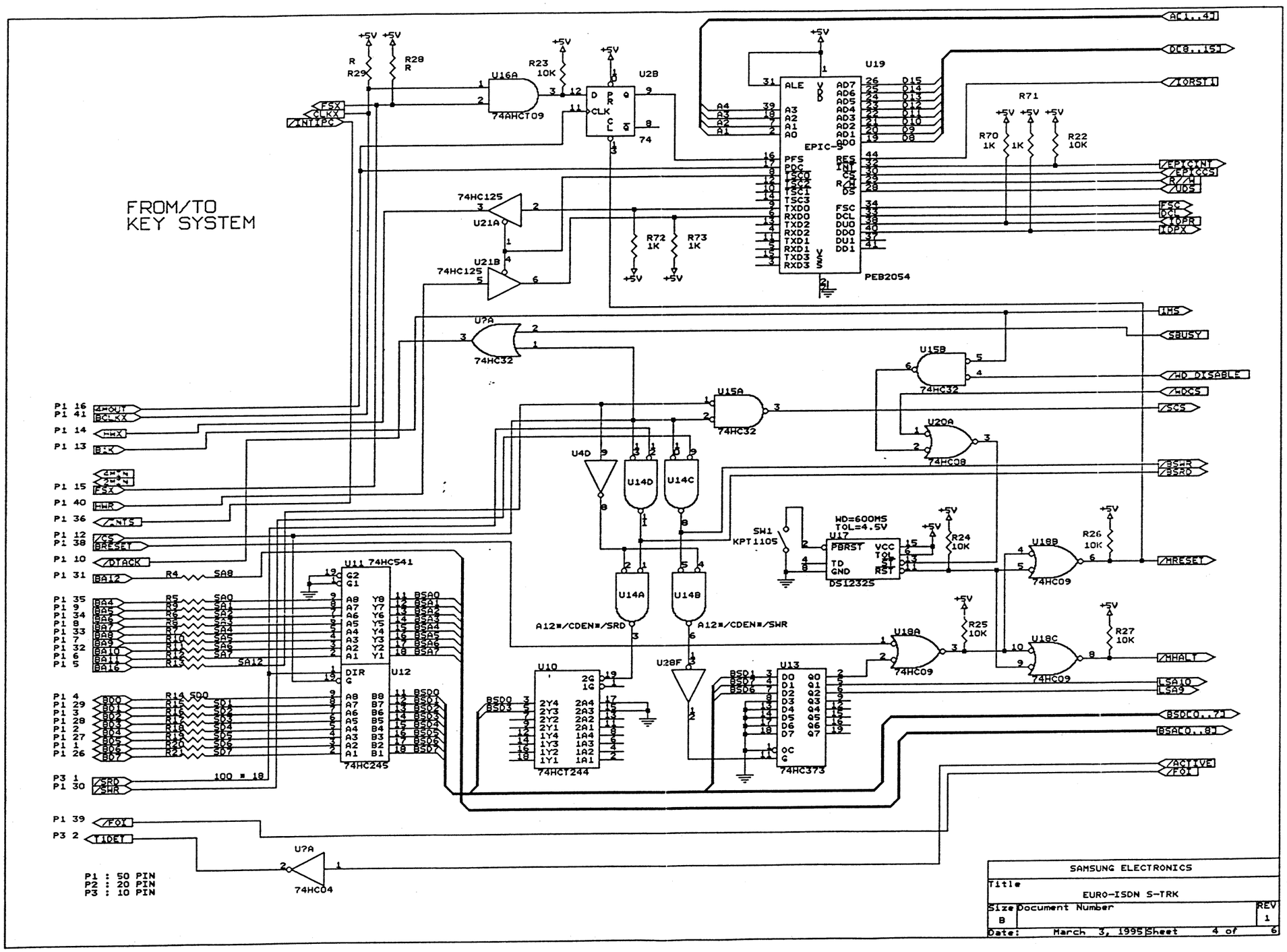
STRK (2/6)

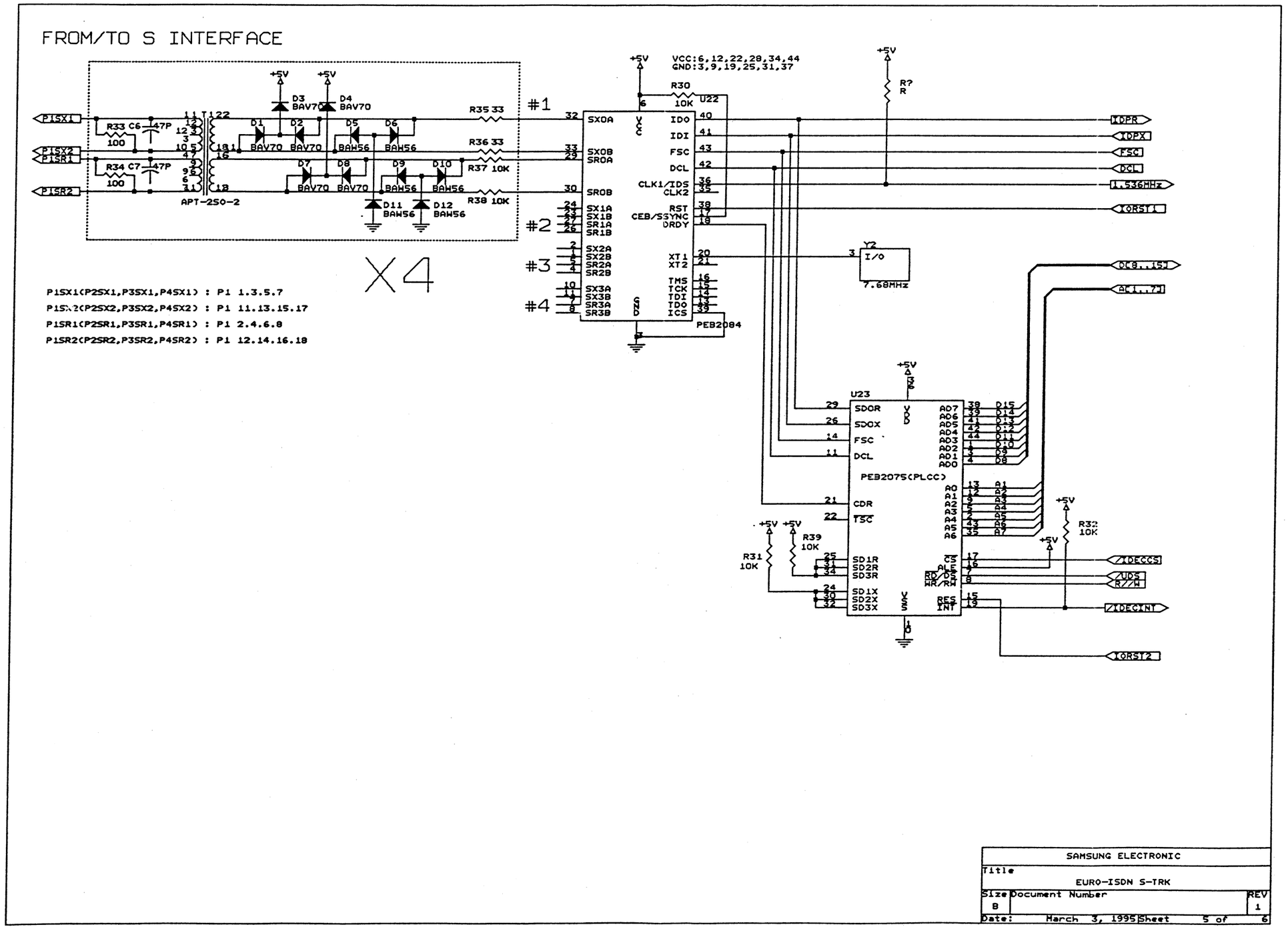

DC0..15
AC0..23
U1
68EC000
+5V
R1
10K
/RESET
/HALT
C1
103
CLK
8.192MHz
U2A
74
Y1
I/O
16.384MHz
/BRESET
U3
STL7066
MODE
EXTMCS
MBUSY
MRST
C8MHZ
GND:10,24,34,53,71,79,97
VCC:3,18,44,64,88
A1 - A23
D8 - D15
U4A
U4C
74HC04
U4B
U5
74HC174
/AVEC
/UDS
R/W
/LDSRD
/LDSWR
/UDSRD
/UDSWR
/ROMCS
/RAMCS
/8K_RESYNC
/LEOCS
/MOCS
/DECCS
/EPICCS
/SIOCS
/SBUSY
/IMS
/IORST1
/IORST2
/SIOINT
/EPICINT
/DECLINT
/NMI
/BGACK
/BGRQ
/BGRD
/INTPC
BSD0..7
BSA0..8
LSA10
LSA9
/ACTIVE
EN 8KHz
/WD DISABLE
SAMSUNG ELECTRONICS
Title
EURO-ISDN S-TRK
Size B
Document Number
REV 1
Date: February 15, 1995
Sheet 2 of 6

STRK (3/6)

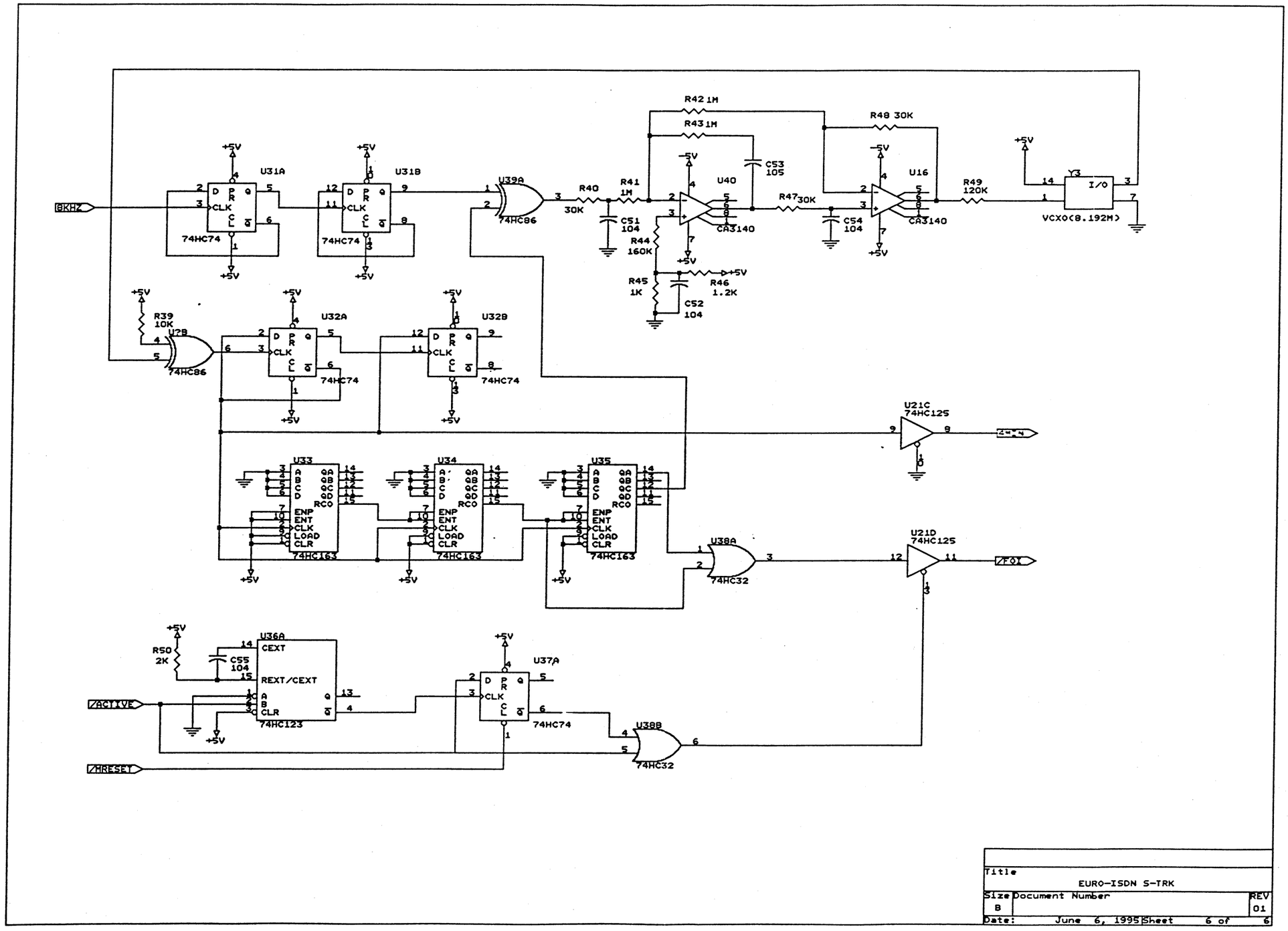

D[0..15]
A[0..23]
U5
27C2001
U7
27C2001
U8
681000
U9
681000
+5V
R3
10K
R2
10K
A1
D8
D10
D12
D14
D9
D11
D13
D15
/ROMCS
/LOWR0
/UDSR0
/LOWR1
/UDSR1
/RAMCS
/SIOINT
/BRESET
/SIOCS
R/W
/NMI
/LEDCS
/RESET
RESET LED
CPU RUN
L1 ACTIVE
DCH ACCESS
U30
74HCT244
/RESET
/AVEC
/ACTIVE
/DECCS
FROM/TO SIO D-B'd
P1
SAMSUNG ELECTRONICS
Title
EURO-ISDN S-TRK
Size B
Document Number
REV 1
Date: June 6, 1995
Sheet 3 of 6

STRK (4/6)


FROM/TO
KEY SYSTEM
U19
PEB2054
EPIC-S
U16A
74AHCT09
U2B
74
74HC125
U21A
U21B
U?A
74HC32
U15A
U15B
U20A
74HC08
U14D
U14C
U14A
U14B
U4D
U11 74HC541
U12
74HC245
U10
74HCT244
U28F
U13
74HC373
U17
DS1232S
SW1
KPT1105
WD=600MS
TOL=4.5V
U18A
U18B
U18C
74HC09
U?A
74HC04
R71
R70 1K
R22 10K
R72 1K
R73 1K
R24 10K
R25 10K
R26 10K
R27 10K
R4
SA0
SA12
100 = 18
A12=/CDEN=/SRD
A12=/CDEN=/SWR
AC[1..4]
DC[0..15]
/IORST1
/EPTCINT
/EPTCCS1
/UDS
FSC
DCL
TDPR
TDPX
IMS
SBUSY
/WD DISABLE
/WDCS
/SCS
/BSWR
/BSRD
/MRESET
/MHALT
LSA10
LSA9
BSDC0..7]
BSAC0..8]
/ACTIVE
/FOT
P1 : 50 PIN
P2 : 20 PIN
P3 : 10 PIN
SAMSUNG ELECTRONICS
Title
EURO-ISDN S-TRK
Size B
Document Number
REV 1
Date: March 3, 1995
Sheet 4 of 6

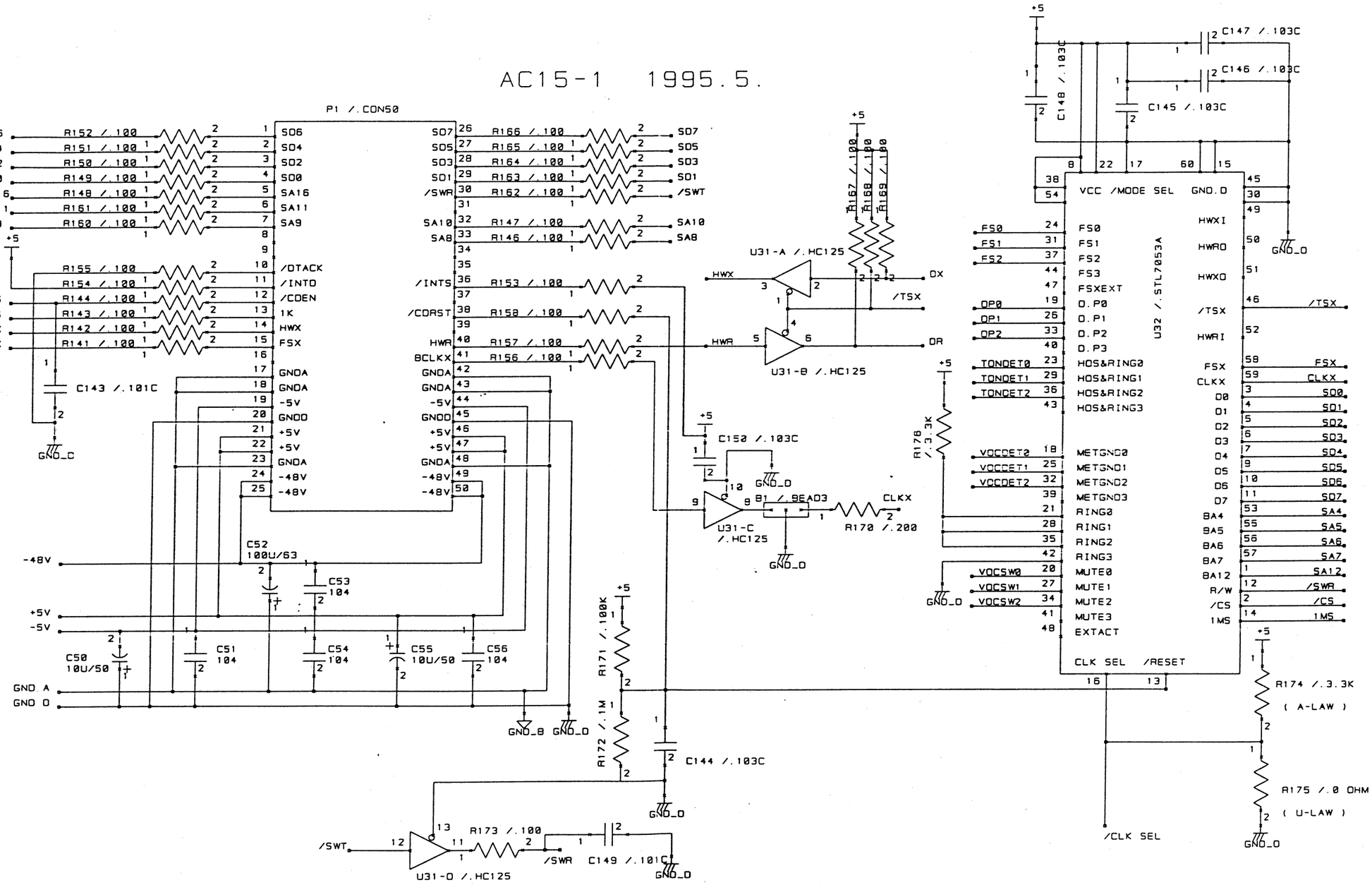

FROM/TO S INTERFACE
P1SX1
P1SX2
P1SR1
P1SR2
R33 C6 47P
100
R34 C7 47P
100
APT-2S0-2
D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12
BAV70
BAW56
R35 33
R36 33
R37 10K
R38 10K
X4
P1SX1(P2SX1,P3SX1,P4SX1) : P1 1.3.5.7
P1SX2(P2SX2,P3SX2,P4SX2) : P1 11.13.15.17
P1SR1(P2SR1,P3SR1,P4SR1) : P1 2.4.6.8
P1SR2(P2SR2,P3SR2,P4SR2) : P1 12.14.16.18
#1
#2
#3
#4
SX0A
SX0B
SR0A
SR0B
SX1A
SX1B
SR1A
SR1B
SX2A
SX2B
SR2A
SR2B
SX3A
SX3B
SR3A
SR3B
PEB2084
VCC:6,12,22,28,34,44
GND:3,9,19,25,31,37
R30 10K
R?
R
IDO
IDI
FSC
DCL
CLK1/IDS
CLK2
RST
CEB/S3SYNC
DRDY
XT1
XT2
TMS
TCK
TDI
TDO
ICS
Y2
I/O
7.68MHz
IDPR
IDPX
FSC
DCL
1.536MHz
XORST1
D[8..15]
A[1..7]
U23
SDOR
SDOX
FSC
DCL
CDR
TSC
SD1R
SD2R
SD3R
SD1X
SD2X
SD3X
PEB2075(PLCC)
AD7
AD6
AD5
AD4
AD3
AD2
AD1
AD0
A0
A1
A2
A3
A4
A5
A6
CS
ALE
RD/DS
WR/RW
RES
INT
R31 10K
R39 10K
R32 10K
/IDECCS
UDS
R/W
/IDECINT
IORST2
SAMSUNG ELECTRONIC
Title
EURO-ISDN S-TRK
Size B
Document Number
REV 1
Date: March 3, 1995
Sheet 5 of 6

STRK (6/6)

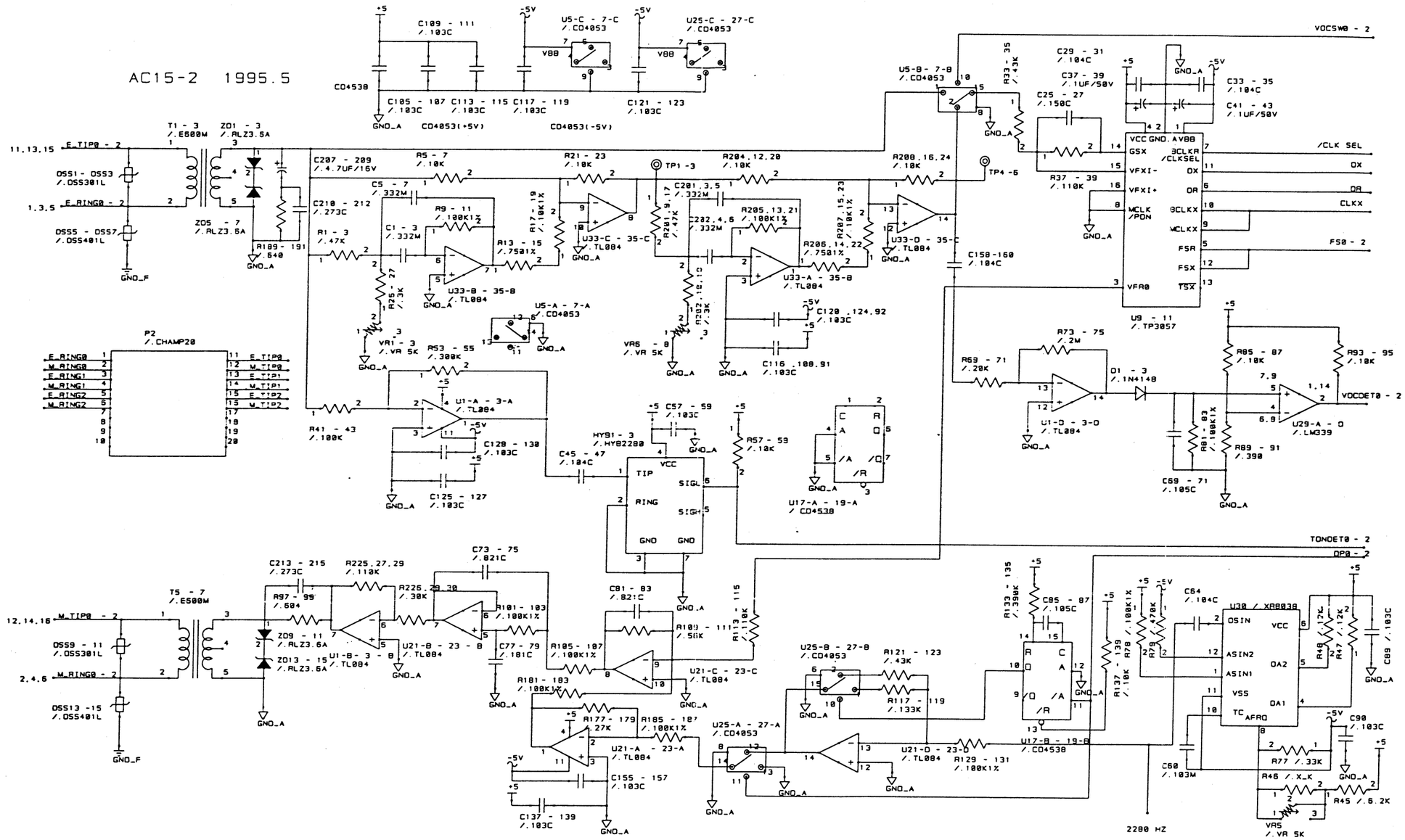


Title	EURO-ISDN S-TRK	
Size B	Document Number	REV 01
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AC15-1 1995.5.


P1 /.CON50
SO6
SO4
SO2
SO0
SA16
SA11
SA9
R152 /.100
R151 /.100
R150 /.100
R149 /.100
R148 /.100
R161 /.100
R160 /.100
+5
/CS
1MS
HWX
FSX
R155 /.100
R154 /.100
R144 /.100
R143 /.100
R142 /.100
R141 /.100
C143 /.101C
GND_C
/DTACK
/INTO
/CDEN
1K
HWX
FSX
GNDA
GNDA
-5V
GNDD
+5V
+5V
GNDA
-48V
-48V
SO7
SO5
SO3
SO1
/SWR
SA10
SA8
/INTS
/CORST
HWR
BCLKX
R166 /.100
R165 /.100
R164 /.100
R163 /.100
R162 /.100
R147 /.100
R146 /.100
R153 /.100
R158 /.100
R157 /.100
R156 /.100
SO7
SO5
SO3
SO1
/SWT
SA10
SA8
-48V
+5V
-5V
GND A
GND D
C52
100U/63
C53
104
C50
10U/50
C51
104
C54
104
C55
10U/50
C56
104
GND_A GND_D
U31-A /.HC125
HWX
HWR
DX
DR
/TSX
U31-B /.HC125
R167 /.100
R168 /.100
R169 /.100
C150 /.103C
GND_D
U31-C
/.HC125
B1 /.BEAD3
CLKX
R170 /.200
R178
/.3.3K
R171 /.100K
R172 /.1M
C144 /.103C
GND_D
U31-D /.HC125
/SWT
R173 /.100
/SWR
C149 /.101C
GND_D
C147 /.103C
C146 /.103C
C145 /.103C
C148 /.103C
U32 /.STL7053A
VCC /MODE SEL
GND_D
FS0
FS1
FS2
FS3
FSXEXT
D.P0
D.P1
D.P2
D.P3
HOS&RING0
HOS&RING1
HOS&RING2
HOS&RING3
VOCDET0
VOCDET1
VOCDET2
METGND0
METGND1
METGND2
METGND3
RING0
RING1
RING2
RING3
MUTE0
MUTE1
MUTE2
MUTE3
EXTACT
VOCSW0
VOCSW1
VOCSW2
CLK SEL
/RESET
HWXI
HWRO
HWXO
/TSX
HWRI
FSX
CLKX
D0
D1
D2
D3
D4
D5
D6
D7
BA4
BA5
BA6
BA7
BA12
R/W
/CS
1MS
SA4
SA5
SA6
SA7
SA12
/SWR
/CS
1MS
/CLK SEL
R174 /.3.3K
(A-LAW)
R175 /.0 OHM
(U-LAW)
GND_D

AC 15 (2/2)


AC15-2 1995.5
C109 - 111 /.103C
U5-C - 7-C /.CD4053
U25-C - 27-C /.CD4053
CD4538
C105 - 107 /.103C
C113 - 115 /.103C
C117 - 119 /.103C
C121 - 123 /.103C
GND_A
CD4053(+5V)
CD4053(-5V)
VOCSW0 - 2
U5-B - 7-B /.CD4053
R33 - 35 /.43K
C29 - 31 /.104C
C37 - 39 /.1UF/50V
C33 - 35 /.104C
C41 - 43 /.1UF/50V
C25 - 27 /.150C
R37 - 39 /.110K
TP4 -6
U9 - 11 /.TP3057
VCC GND AVBB
GSX
VFXI-
VFXI+
MCLK /PDN
VFA0
BCLKR /CLKSEL
DX
DR
BCLKX
MCLKX
FSR
FSX
/CLK SEL
DX
DR
CLKX
FS0 - 2
C158-160 /.104C
T1 - 3 /.E600M
ZD1 - 3 /.RLZ3.9A
11,13,15
E_TIP0 - 2
OSS1 - OSS3 /.OSS301L
1,3,5
E_RING0 - 2
OSS5 - OSS7 /.OSS401L
ZD5 - 7 /.RLZ3.9A
R189 - 191 /.64Ω
C207 - 209 /.4.7UF/16V
C210 - 212 /.273C
R5 - 7 /.10K
C5 - 7 /.332M
R1 - 3 /.47K
C1 - 3 /.332M
R9 - 11 /.100K1%
R13 - 15 /.7501%
R25 - 27 /.3K
VR1 - 3 /.VR 5K
R53 - 55 /.300K
U33-B - 35-B /.TL084
R21 - 23 /.10K
R17 - 19 /.10K1%
U33-C - 35-C /.TL084
TP1 -3
R204,12,20 /.10K
C201,3,5 /.332M
R201 - 9,17 /.47K
R205,13,21 /.100K1%
C232,4,6 /.332M
R207,15,23 /.10K1%
R206,14,22 /.7501%
U33-A - 35-B /.TL084
U33-D - 35-C /.TL084
R208,16,24 /.10K
U5-A - 7-A /.CD4053
R27 - 29 /.3K
VR6 - 8 /.VR 5K
C120 ,124,92 /.103C
C116 ,108,91 /.103C
P2 /.CHAMP20
E_RING0
W_RING0
E_RING1
W_RING1
E_RING2
W_RING2
E_TIP0
W_TIP0
E_TIP1
W_TIP1
E_TIP2
W_TIP2
R41 - 43 /.100K
U1-A - 3-A /.TL084
C128 - 130 /.103C
C125 - 127 /.103C
C57 - 59 /.103C
HYB1 - 3 /.HYB2280
C45 - 47 /.104C
R57 - 59 /.10K
TIP
RING
VCC
SIGL
SIGH
GND
U17-A - 19-A /.CD4538
R69 - 71 /.20K
R73 - 75 /.2M
D1 - 3 /.1N4148
U1-D - 3-D /.TL084
R85 - 87 /.10K
R93 - 95 /.10K
7.9
1.14
6.8
U29-A - D /.LM339
VOCDET0 - 2
R81 - 83 /.100K1%
R89 - 91 /.390
C69 - 71 /.105C
TONDET0 - 2
OP0 - 2
T5 - 7 /.E600M
12,14,16
M_TIP0 - 2
OSS9 - 11 /.OSS301L
2,4,6
M_RING0 - 2
OSS13 -15 /.OSS401L
C213 - 215 /.273C
R225,27,29 /.110K
R97 - 99 /.60Ω
ZD9 - 11 /.RLZ3.6A
ZD13 - 15 /.RLZ3.6A
U1-B- 3 - 8 /.TL084
R226,28,30 /.30K
C73 - 75 /.821C
R101 - 103 /.100K1%
C77 - 79 /.181C
U21-B - 23 - 8 /.TL084
C81 - 83 /.821C
R109 - 111 /.5Ωk
R113 - 115 /.110K
R105 - 107 /.100K1%
U21-C - 23-C /.TL084
R181 - 183 /.100K1%
R177 - 179 /.27K
R185 - 187 /.100K1%
U21-A - 23-A /.TL084
C155 - 157 /.103C
C137 - 139 /.103C
U25-A - 27-A /.CD4053
U25-B - 27-B /.CD4053
R121 - 123 /.43K
R117 - 119 /.133K
U21-D - 23-D /.TL084
R129 - 131 /.100K1%
U17-B - 19-B /.CD4538
R133 - 135 /.390K
C95 - 87 /.105C
R137 - 139 /.10K
R78 /.100K1%
R79 /.470K
C64 /.104C
U30 / XR8038
OSIN
ASIN2
ASIN1
VSS
TC
AFRQ
VCC
OA2
OA1
R48 /.12K
R47 /.12K
C89 /.103C
C90 /.103C
C60 /.103M
R77 /.33K
R46 /.X_K
R45 /.6.2K
VR5 /.VR 5K
2280 HZ
GND_F